Lancaster Farming

VOL. 27 No. 32 | Four Sections | Lancaster Farming, Saturday, June 5, 1982 | $7.50 per year

Says Pa's first family of farming

Dairy life 'grows 'em better'

BY DONNA TOMMELLEO

OTTSVILLE — The dairy industry, like most industries, often measured by dollars generated, market impact and jobs created. Much credit also is given to researchers responsible for inroads in genetics, nutrition, health care, etc.

Beneath the surface, however, lies an invaluable quality that contributes beyond the most sophisticated business analysis or laboratory. The family structure, bonded together by generations of toil, hardship, laughter and love is the unsung hero of this great industry.

Responsible adults, necessary to operate this sometime troubled world, draw from their background for needed strength and support. The chores and challenges of dairy farming often provide the responsible background. And one Bucks County family views life on a dairy farm as the only way to grow.

"I wouldn't trade it in on anybody's lifestyle," says Susan.

Her brother Pen agrees, "It was a perfect childhood. We lived it to the hilt every chance we got." Their sentiments were echoed by two more siblings Jim and Emily.

On these next few pages, Pen, Jr., 30, Jim, 28, Susan, 27 and Emily, 23, the children of State Agriculture Secretary Penrose Hallowell and wife Trish, pull together years of memories of growing up on a dairy farm.

Chores at the Pennywell Farm required an annual family meeting to assign after-school duties, recalls Pen. Jr. He would invariably volunteer to shovel silage just two days a week.

"I hated doing that the most," he laughs.

Jim adds, "It was only a twelve foot silo. Dad could go up there and unload in five minutes. The two of us would go up and it would take a half an hour."

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Recording a family's growth on the pages of a photo album has long been an American tradition. To the right, the four Hallowell children, in younger days, (l to r) Penrose, Jr., Jim, Susan and Emily line up in their Sunday best. Below, the family adds another chapter with a third generation. The group includes (standing l to r): Emily, 23; Jim, 28 and wife Nancy; Trish; Pen, Jr. holding son Benjamin, 2½-years-old; Susan, 27; seated, Penrose, Sr., with 5-month-old granddaughter Elizabeth (Jim and Nancy's daughter); and 4-year-old Jesse (Pen Jr.'s son).

L.F.'s salute to our dairy farm families

Livestock market and auction news

Monday markets not reported due to holiday.

Lancaster Market

Monday, May 31
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	1126	32	1352	108
Last Monday	1267	135	992	281
Last Year	1471	119	1080	219
Monday's Auction	1122	29	1413	124
Last Monday's Auction	1355	134	985	314

Auction not reported - Memorial Day Holiday.

Vintage Auction

Tuesday, June 1
Report supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	1202	612	14	-
Last Tuesday	1166	728	87	-
Last Year	1404	721	57	-

CATTLE: Compared to last Tuesday, slaughter steers firm to 1 00 higher, with Choice mostly 1.00 higher; slaughter heifers scarce, cows 3.00-5.00 lower, bulls mostly steady. Supply included 74 percent slaughter steers and 20 percent cows.

SLAUGHTER STEERS. High Choice and Prime 3-4 1130-1375 lbs 74.35-76.60, 20 head 77 10-77.75, with four head 77.85-79.00; Good and Choice 1-2 1160-1325 lbs. 74.75-77.25, few head 77.50-78 25, Choice 2-4 1050-1350 lbs. 70 50-73.75, few 74.00-75 00, few early sales 69 75-70 50, few head Choice 2-3 900-1000 lbs 67.00-69.00; high Good and low Choice 2-3 67 50-70.50; Good 2-3 61.50-67 00, Good and Choice Holsteins 1300-1580 lbs. 59.00-61 50, Standard 1-2 54 75-58 00.

COWS Utility and Commercial 1-3 44.00-47.75, several 46.00-47.25, Cutter 1-2 40.00-45.00, mainly 41.00-43.50; Canner and low Cutter 36 00-40.00.

BULLS. Yield grade 1 1400-2140 lbs 52 00-54 50, yield grade 2 1000-1400 lbs. 50.00-52 00, few Choice 1050-1450 lbs. bullocks 58.00-59.50.

VEAL CALVES. Vealers weak to 3.00 lower. Supply included 433 in graded sale of which 81 percent sold to return to farm.

VEALERS. Few Choice 160-280 lbs 86.00-94.00; high Good and low Choice 120-280 lbs. 70.00-85.00, 75-115 lbs. 57.50-70.00.

SLAUGHTER CALVES Good and Choice 280-350 lbs. 57.00-65.00, couple 66.00-68.00.

RETURNED TO FARM. 27 head 100-115 lb. Holstein heifers 100.00-111.00, 20 head 90-95 lbs. 94.00-95.00, 20 head 70-85 lbs. 60.00-67.00; 28 head 120-125 lb. Holstein bulls 99.00, 125 head 100-115 lbs. 114.00-118.00, 30 head 90-95 lbs. 89.00-90.00; 60 head small frame 100-125 lbs. 79.00-103.00, and 20 head 90-95 lbs 72.00.

SHEEP. Insufficient volume for a market test, few Choice 35-65 lb. spring lambs 71 00-78 00.

Lancaster Auction

Wednesday, June 2
Report supplied by USDA

	Cattle	Calves	Hogs	Sheep
Today	528	42	1115	0
Last Wednesday	263	36	1187	4
Last Year	885	24	1016	2
Wednesday's Auction	466	43	1100	0
Last Wednesday's Auction	259	35	1180	4

CATTLE. Trend not fully comparable, market not reported on Monday. Demand for slaughter steers and heifers good, no more than fair for small supply of cows and bulls. Supply included 80 percent slaughter steers, 10 percent slaughter heifers, balance cows and bulls.

SLAUGHTER STEERS. High Choice and Prime 3-4 1200-1575 lbs. 74.10-76.10, couple head 76.60-76 75, Good and Choice 1-2 1150-1325 lbs. 73.75-76 60, couple 77 75, Choice 2-4 1050-1350 lbs. 69.75-72.75, few head 73 00-73.85, couple lots Choice 2-3 940-1025 lbs. 68.50-69.50, high Good and low Choice 2-3 975-1225 lbs 66 00-69 25, Good 2-3 61.50-65 75

SLAUGHTER HEIFERS Choice 2-3 950-1100 lbs. 64.00-67.00, few yield grade 2 67.25-69 25, Good 2-3 850-1150 lbs. 57.75-62.50.

COWS. Couple Utility 1-2 43 75-44.25, couple Cutter 1-2 40 00-42.75

BULLS Yield grade 1 1450-1950 lbs. 51.00-54.00, five head 54 60-56.85; yield grade 2 1000-1400 lbs 50.00-52.25.

VEAL CALVES. Available supply generally steady.

VEALERS. Individual Choice 220 lbs. 90.00; high Good and low Choice 140-200 lbs. 60.00-75.00, 80-115 lbs. 55.00-65.00.

RETURNED TO FARM Few 95-115 lb. Holstein bulls 100 00-114.00.

SHEEP None

New Holland Livestock

Thursday, June 3
Report supplied by USDA

CATTLE: 1805. Compared to last Thursday slaughter steers mostly 1.00 higher; slaughter heifers firm to 2.00 higher; cows 1.00-3.00 higher, instances 4.00 higher; bullocks firm to 1.00 higher; bulls 1.00-2.00 higher. Supply included 77 percent slaughter steers and 13 percent cows.

SLAUGHTER STEERS: High Choice and Prime 3-4 1125-1425 lb. 73.50-76.75, 10 head 77.00-77.10; Good and Choice 1-2 1100-1350 lb. 74.50-76.10; Choice 2-4 1075-1350 lb. 70.00-74.25, few 74.25-74.75, Choice 2-3 950-1075 lb. 68.10-70.50; Good and Choice 2-3 65.25-70.00; Good 2-3 61.00-66.50; Good and Choice 1200-1450 lb. Holsteins 59.00-63.50; Standard 1-2 52.00-59.00.

SLAUGHTER HEIFERS: Choice 2-3 950-1210 lb. 64.25-69.35, couple yield grade 2 71.00-71.35; few Good 2-3 850-1100 lb. 54 25-62.00.

COWS: Utility and Commercial 1-3 44.50-48.50, few 48.50-49.50; Cutter 1-2 42.00-47.00, few 47.00-49.50; Canner and low Cutter 39.00-42.00.

BULLOCKS: Choice 1050-1350 lb. 59.00-63.50, individual 1515 lb. 64.60; Good 1000-1300 lb. 53.00-58.50.

BULLS: Yield grade 1 1350-1900 lb. 52.00-55.25, few 55.50-58.25; yield grade 2 1000-1400 lb. 50.00-52.50, couple 48.50-50.00.

VEAL CALVES: 424. Vealers steady to weak. Demand very good for Holstein bulls to return to farm.

VEALERS: Choice 160-250 lb. 95.00-104.00, couple 104.00-109.00, few 250-350 lb. 88.00-95.00; high Good and low Choice 120-250 lb. 65.00-85.00, 80-115 lb. 55.00-65.00, few 70-85 lb. 50.00-55.00.

SLAUGHTER CALVES: Choice 315-465 lb. 58.00-66.00, few Good 280-400 lb. 50.00-60.00.

RETURNED TO FARM: Bulk 100-115 lb. Holstein bulls 98.00-120.00, few 120.00-125.00; 90-95 lb. 88.00-100.00.

SHEEP: 54. Spring lambs 3.00-5.00 higher; slaughter ewes 5.00-6.00 higher.

SPRING LAMBS: Few Choice 35-65 lb. 60.00-72.00, five head 40-50 lb. 76.00-80.00.

SLAUGHTER EWES: Utility and Good 19.00-28.00.

GOATS: 12. All goats sold by the head, mainly 27.00-34.00.

Lancaster Co. Weekly

Friday, June 4
Report supplied by USDA

	Cattle	Calves
This Week	5000	1125
Last Week	4835	1292
Last Year	5934	1393

CATTLE: Slaughter steers mostly 1.00 higher; slaughter heifers firm to 2.00 higher; cows closed the week 1.00-3.00 higher, instances 4.00 higher than last week's low close; bullocks firm to 1.00 higher; bulls 1.00-2.00 higher. Supply included 68 per cent slaughter steers 6 per cent slaughter heifers, 11 per cent cows, 7 per cent bulls, balance feeder steers many held for Friday's auction.

SLAUGHTER STEERS: High Choice and Prime 3-4 1125-1425 lbs. 73.50-76.75, 35 head 77.00-77.75; Good and Choice 1-2 1100-1350 lbs. 73.75-77.25, few 77.50-78.25; Choice 2-4 1075-1350 lbs. 70.00-74.25, few 74.25-75.00; Choice 2-3 900-1075 lbs. 67.00-70.50; high Good and low Choice 2-3 975-1250 lbs. 65.25-70.00, Good 2-3 61.00-66.50; Good and Choice 1200-1450 lb. holsteins 59.00-63.50, Standard 1-2 52.00-59.00.

SLAUGHTER HEIFERS: Choice 2-3 950-1210 lbs. 64.00-69.25, few Yield grade 2 69.35-71.35; Good 2-3 850-1150 lbs. 54.25-62.00.

COWS: Utility and Commercial 1-3 44.00-48.50, few late 48.50-49.50, Cutter 1-2 42.00-47.00, few 47.00-49.50, Canner and low Cutter 38.00-42.00.

BULLOCKS: Choice 1050-1350 lbs. 59.00-63.50, individual 64 60, Good 1000-1300 lbs. 53.00-58.50

BULLS: Yield Grade 1 1300-1900 lbs. 52.00-55.25, few 55.50-58 25, Yield Grade 2 1000-1400 lbs. 52 00-52.50, couple 48.50-50.00.

VEAL CALVES: Vealers weak to 3.00 lower, demand very good for holstein bulls to return to farm, only fair for holstein heifers.

VEALERS: Choice 160-250 lbs 95.00-104.00, couple 104.00-109 00, few 250-350 lbs. 88.00-95.00; high Good and low Choice 120-280 lbs 65.00-85.00, 80-115 lbs. 55.00-70 00, few 70-80 lbs. 50.00-55.00.

SLAUGHTER CALVES: Good and Choice 280-465 lbs. 57.00-68 00, few Good 280-400 lbs. 50.00-60 00.

RETURN TO FARM: Bulk 100-115 lb. holstein bulls 98.00-120 00, few 120.00-125.00, 90-95 lbs. 88 00-100.00, few 90-115 lb. holstein heifers 94.00-111.00, few 70-85 lbs 60.00-70.00.

Shenandoah Valley Livestock

Harrisonburg, Va.
Saturday, May 29
Report supplied by auction

Stocker, Feeder, and Slaughter Cattle: Good Light Steer Calves 68.00-74.00; Medium 63.00-67 75, Plain 62.00 and down; Good Heavy Steers 67.00-73.00; Medium 61 00-66.00; Plain 60.00 and down, Holstein Steers 49.00-61.00; Good Slaughter Steers Not enough to quote; Good Light Heifer Calves 50.00-55.75; Medium 45.00-49 75, Plain 44.00 and Down; Good Heavy Heifers 48.00-56.25; Slaughter Cows 42.00-47.00; Utilities 35 00-41.75; Canner & Cutters 34.25 and Down; Milk & Stock Cows 480.00 & Down; Stock Bulls 67.00 & Down, Slaughter Bulls 52.50 & Down.

CALVES: Veal Calves 78.00 & Down; Baby Calves 100.00 & Down

SHEEP & LAMBS: Choice Blue O 67.50; Good Red O 60.50, Slaughter Ewes 9.50-14.75; Stock Ewes 61.0 & Down

HOGS Top 59.00; Heavy 58.00, Sows 47.50-50.00, Boars 45.25.

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Hog Markets

Lancaster Hogs

Lancaster Stockyards
Tuesday, June 1
Report supplied by auction

Today	272
Last Tuesday	346

TREND: Compared to last Wednesday, barrows and gilts 1.00-1.50 higher. Bulk of supply US 1-2 220-250 lbs.

BARROWS AND GILTS: US 1-2 220-250 lbs. 62.75-63.10, couple lots 63.25; US 1 215-250 lbs. 63.75-64.50, couple 64.75.

Wednesday, June 2

HOGS: Compared to Tuesday, barrows and gilts weak to 1.00 lower, mostly .50 to 1.00 lower.

BARROWS AND GILTS: US 1-2 205-250 lbs 61.75-62.75, couple lots 63.00-63 10; US 1 205-245 lbs 63.25-64.50; US 1-3 200-265 lbs. 61.00-61.75.

Monday markets not reported due to holiday.

Vintage Hogs

Vintage Sales Stables
Saturday, May 29
Report supplied by auction

U.S. 1 & 2 205-235 lbs. 59.50-61.00; U.S. 2 & 3 200-245 lbs. 58.50-59.50; Sows 300-500 lbs. 51.00-54.00; Boars 200-500 lbs. 47.50-50.75.

Wednesday, June 2

U.S. 1 & 2 205-235 lbs. 62.00-63.60; U.S. 2 & 3 200-245 lbs. 61.00-62.00; Sows 300-500 lbs. 48.00-51.00; Boars 200-500 lbs. 45.00-47.50.

St. Louis Hogs

Thursday, June 3
Report supplied by USDA

HOGS: 5500. Trade fairly active, barrows and gilts steady. US 1-2 200-240 lbs. 59.50-59.75; US 1-3 210-250 lbs. 59.00-59.50; 250-270 lbs. 58.00-59.00.

SOWS: .50-2 00 lower. US 1-3 300-650 lbs. 51.50-53.00.

BOARS. Over 260 lbs. 49.00-49 50; 200-260 lbs. 51.50.

Peoria Hogs

Thursday, June 3
Report supplied by USDA

HOGS: 3000 Trading moderate, receipts currently 400 under the early estimate Barrows and gilts opening steady to weak US 1-2 200-240 lbs. 59 50-60 00; US 1-3 200-240 lbs 58 50-59 50

SOWS: Mostly 1 00, instances 1 50 higher. US 1-3 350-500 lbs. 53 50, 500-650 lbs 55 00, few 55 50

Westminster Feeder Pigs

Friday, May 28
Report supplied by auction

1160 Pigs: Compared to last month's very active sale, prices were mainly $10. to $15 per hundred lower. All pigs weighed on arrival and sold by the pound.

1&2: 85 head 24-29 lbs. 119.00-140.00; 183 head 33-38 lbs. 101.00-137.50; 356 head 40-49 lbs. 109 00-122.50, 258 head 50-58 lbs. 101 00-128 00, 127 head 60-69 lbs. 96.00-123.00, 82 head 70-77 lbs. 96 00-100.00; 19 head 81-83 lbs. 88 00-96 00; 12 head 94-101 lbs. 66 00-67.00, 2&3 31 head 31-32 lbs 84 00-101 00, 4 head 47 lbs 85 00

New Holland Hogs

Monday, May 31
Report supplied by auction

Today	1121
Last Monday	1276
Last Year	1022

Retail 62.00-63.00; Wholesale 60.50-62.00, Heavyweights 58.00-60.50; Lightweights 56.00-60.50; Sows 44.00-53.00; Boars 46.00-52.00.

Lancaster Feeder Pigs

Tuesday, June 1
Report supplied by USDA

Today	1022
Last Tuesday	1252
Last Year	1642

TREND: Compared to last Tuesday, feeder pigs weak to 5.00 lower. All pigs weighed on arrival & sold by the hundred weight.

US 1&2: 48 head 15-29 lbs. 162 00-170.00; 116 head 30-39 lbs. 142.00-162.00; 327 head 40-49 lbs. 125.00-144.00, mainly 135.00-144.00; 237 head 50-59 lbs. 112.00-127 00, 42 head 52-58 lbs. 104.00-107.00, 38 head 60-69 lbs. 93.00-107.00; 39 head 70-95 lbs 78 00-90 00

US 2-3: 16 head 25-37 lbs 136.00-154.00, 62 head 40-49 lbs 120.00-126.00; 14 head 50-51 lbs 98 00-108.00; 5 head 62 lbs 91 00

Indianapolis Hogs

Thursday, June 3

HOGS· 1400. Barrows and gilts moderately active, steady to 25 lower. US 1-2 210-260 lbs 60 25-60.50, volume 60 25; US 1-3 215-260 lbs. 59.50-60.25, mostly 60.00.

SOWS: Moderately active, steady to 1.00 lower in light test, decline on weights over 500 lbs. US 1-3 mostly 2-3 450-550 lbs. 52.00-53.00; US 1-2 & Medium 350-500 lbs 50.00-52.00

BOARS: Few under 300 lbs. 51 00; over 300 lbs. not established early.

New Holland Feeder Pigs

Wednesday, June 2
Report supplied by USDA
Feeder Pigs

Today	810
Last Wednesday	761
Last Year	983

TREND. Compared to last Wednesday feeder pigs 4 00-10 00 lower, instances 13 00 lower on U S 1-2 20-50 lbs All pigs weighed on arrival and sold by the hundred weight.

US 1-2 19 head 26 lbs 156 00, 226 head 30-39 lbs 140 00-153 00; 222 head 40-49 lbs. 126 00-137.00; 41 head 40 lbs 143 00; 44 head 55-66 lbs 115 00-118.00

US 2-3 47 head 21-27 lbs 140 00-148 00, 56 head 30-39 lbs 131 00-137.00, 47 head 43-47 lbs 125 00-132.00, 23 head 55-66 lbs 109 00-115.00, 5 head 75 lbs 98 00

New Holland Dairy

New Holland, Pa.
Wednesday, June 2
Report supplied by auction

Reported receipts of 39 cows, 56 heifers, and 3 bulls Market steady

Load of Pa fresh cows, 810 00-960 00, Load of Pa fresh cows, 725 00-1010 00, Load of Pa fresh cows, 780 00-1030 00, springers 910 00-985 00

Locally consigned cows 450 00-1085 00, Springing heifers 750 00-1040 00, Bulls 485 00-740 00

U.S. Inspected Livestock Slaughter

Thursday, June 3
Report supplied by USDA **Estimated Daily Livestock Slaughter Under Federal Inspection**

	CATTLE	CALVES	HOGS	SHEEP
This Week	396,000	30,000	935,000	69,000
Last Week	501,000	38,000	1,223,000	89,000
Last Year	493,000	29,000	1,243,000	81,000

Market courtesy of USDA

Chicago Grain Futures

(Closing Bids as of Thursday June 3)

	Corn	Wheat	Soybeans	Soybean Meal
July	2 71¹₂	3 46¹₄	6 23¹₄	181 20
Sept.	2 72¹₂	3 60¾		
Oct.				184 80
Nov.			6 33¹₂	
Dec.	2 76¹₂	3 82¹₂		188 50
Jan.			6 48¹₄	

Trend - Corn is lower, Wheat is lower Soybeans are lower, Soybean Meal is lower

Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

Futures Trading

(Closing Bids as of Thursday June 3)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes
June	71 80	61 00	
July		59 60	
Aug.	65 62		
Oct	62 55	57 00	
Nov			7 69

Trend - Cattle are higher Hogs are higher Potatoes are lower

Market Provided by Commodity Department Dean Witter Reynolds, Inc

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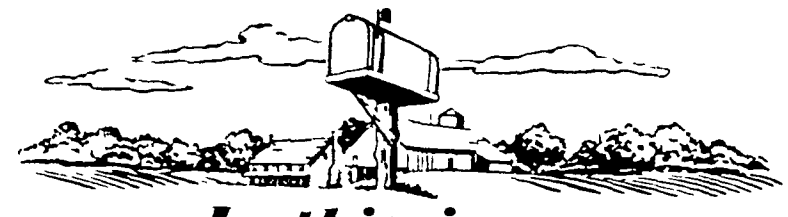

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Poultry Markets

Weekly New York Egg Market

From Friday, May 28 to June 4

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	71	H	71	74	74
Ex Large	66		65	64	64
Large	63	O	62	61	61
Mediums	51		50	49	49
Pullets	41	L	39	38	38
BROWN					
Jumbo	94		94	94	94
Ex Large	82	I	82	81	81
Large	74		74	73	73
Mediums	63	D	62	61	61
Pullets	Unquoted				
Peewees	Unquoted				
Off Grade					
Large	55	A	54	53	53
Checks	31	Y	31	30	30

Copyright 1982 by Urner-Barry

Philadelphia Eggs

Thursday, June 3
Report supplied by USDA

MARKET COMMENT: Cartoned egg movement light to fair. Jumbos are tight; extra large adequate, large fully adequate and medium ample. Additional offerings adequate but heavier weight nest runs still sought in some quarters. Undertone unsettled.

Prices to Retailers: Sales to volume buyers, consumer grades white eggs in cartons delivered store door

A Extra Large 61-66, A Large 59-62; A Medium 46-49

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Office: 22 E. Main St., Lititz, PA 17543
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Phone: Lancaster 717-394-3047
or Lititz 717-626-1164

Robert G. Campbell, Publisher
Sheila M. Miller, Editor
Dick Anglestein, Staff Writer
Debra L. Koontz, Home Editor
Donna M. Tommelleo, Staff Writer

CORRESPONDENTS
Ginger Secrist Myers, Adams County
Littlestown 717-359-7542

Patty Gross, Bedford, Blair, Huntingdon counties
Roaring Spring 814-224-4694

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Subscription Price:
$7.50 per year; $13.00 - 2 years
$14 00 per year outside of
PA, NJ, MD, DE, NY, VA & WV

Established November 4, 1955
Published every Saturday
by Lancaster Farming, Lititz, PA
Second Class Postage paid at
Lititz, PA 17543 USPS 304 040

For address change form or new subscription see Mailbox Markets.

Members of Newspaper Farm Editors Assn., Pa. Newspaper Publishers Association, and National Newspaper Association.

Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, June 1
Report supplied by auction

MUSCOVY DUCKS, DRAKES range 1.50-1.66 per lb.

MUSCOVY DUCKS, HENS range 1.46-1.62 per lb.

PEKING DUCKS: range .90-1.02 per lb.

RED FOWL: 4-5 lbs. range .26-.32 per lb.

RED FOWL: 5-6 lbs. range .30-.42 per lb.

CROSSBRED FOWL. 5-9 lbs. range .30-.38 per lb.

CROSSBRED ROOSTERS: 4-6 lbs. range .50-.72 per lb.

CROSSBRED ROOSTERS: 7-12 lbs. range .36-.52 per lb.

GUINEA FOWL: range 1.50-1.66 per lb

BANTY ROOSTERS: range 2.50-4.10 ea.

BANTY HENS: range .75-1.25 ea.

GEESE. 10-13 lbs. range .70-.76 per lb.

PIGEONS: range 1.20-1.35 ea.

WHITE PIGEONS: range 2.10-3.10 ea.

RABBITS: 4-6 lbs. range .50-.96 per lb.

RABBITS: 7-10 lbs. range .40-.62 per lb.

GUINEA PIGS: range .05-.75 ea.

GOATS: range 25.00-41.00 ea.

KID GOATS: 16.00-33.00 ea.

TOTAL AMOUNT COUPS: 668

Delmarva Poultry

Thursday, June 3
Report supplied by USDA

MARKET COMMENT: RTC movement on whole birds good and most plants well cleaned. Advance interest also good on moderate volume of retail features planned next week. Legs and breasts are well in demand with active buying interest. Wings advancing for moderate call. Slaughter schedules heavy, live supplies fully adequate. Weights still heavier than desired but moving toward more desireable levels. Undertone firm.

Today's L.T.L. asking prices unchanged on U.S. Grade A at 48-52 cents, with most processors moving toward higher side of range.

Estimated slaughter of broiler fryers in Delmarva (000).

Estimated 6/3 1958, Actual 5/27 1943, Actual 6/1 1976; Average Weights 6/1 4.30; 5/25 4.35

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- We will also accept your sows & boars
- Your cattle will be received from 12 Noon to 4 PM. We will either pay for your cattle immediately or you may sell them dressed weight
- There will not be a commission or yardage fee deducted from your check.
- You may call our office Monday morning and we will be able to tell you the base price for hogs for the day
- Please come and give us a chance to continue doing business with you through this method

FOR INFORMATION CALL
717-275-2880

N. E. Weekly Shell Egg Report

Tuesday, June 1
Report supplied by USDA

Prices paid per dozen Grade 'A' Brown eggs in cartons delivered to retail stores.

	Ex. Large	Large	Medium	Small
MASS.X	82-91	76-86	62-72	39-48
Mostly	84-89	78-84	64-70	41-46
N. HAMP.	77-83	71-77	57-63	34-40
Mostly	79-82	73-76	59-62	36-39
R.I.	88-89	83-84	68-69	45-46
VERMONT	84-94	78-90	64-75	–
Mostly	86-89	80-85	66-69	–
MAINE	84-86	78-81	64-69	41-46

X Includes Central and Western Sections only.

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week This week's prices for each classification were

Classification	Net Weight Per Case	June 1 Tuesday	June 3 Thursday
Class 1 - Large	48 lbs.	47	43
Class 2 - Large	45 lbs.	43	42
Class 3 - Medium	42 lbs.	36	36
Class 4 - Small	39 lbs.	27	27
Breaking Stock	48 lbs.	38	36
Checks	48 lbs.	33½	31½

Baltimore Eggs

Thursday, June 3
Report supplied by USDA

MARKET COMMENT: Prices still trending lower on all sizes. Demand slow for first of month. Supplies ample.

Cartoned Eggs. Prices to retailers, state graded (min one case sale) white.

Grade A Large	61-68
Grade A Medium	49-56

Eastern Pa. & N.J. Poultry

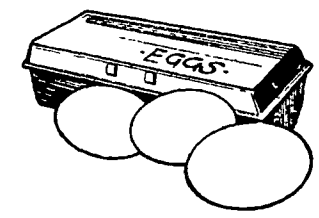
Thursday, June 3
Report supplied by USDA

MARKET COMMENT. Most commitments this week at 8½ cents but next week's activity at 8 cents. Offerings adequate but in view of light canner pack demand are considered ample. Most plants reducing schedules in response to light final product sales.

Light Type Hens. 4-7, mostly 6-6½

F.O.B. Plant. 8-9, mostly 8-8½

Heavy Type Hens: TFTR.



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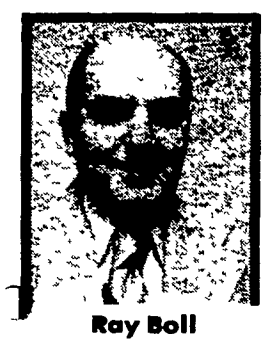
A salute to dairy farmers

During June, we take the opportunity to congratulate the men and women of the dairy industry. Your dedication and knowledge improve the quality of our lives...

and your productivity plays a significant role in contributing to the American standard of living. We want you to know that we are proud and thankful to be associated with you!

Dick Poole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Mike Gitt

John McFadden

Gene Schlosnagle

Tom Davis

Pete Knutsen

Bob Gregory

Glenn Flickinger

from your Pennfield Dairy Team

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Livestock market and auction news

Hay Markets

Regional Hay
Friday, May 28
Report supplied by PDA

(All hay No. 2 and better, prices paid by the dealers at the farm and per ton.)

Old crop hay and straw steady, little new crop offered due to the rain and damp weather.

Alfalfa 95.00-125, Few New Crop 70.00-80.00; Mixed Hay 75.00-90.00; Few New Crop 60.00-80.00; Timothy Hay 70.00-90.00; Straw 40.00-45.00; Mulch 30.00-45.00.

Green Dragon Hay
Ephrata, Pa.
Friday, May 28
Report supplied by PDA

46 Loads Hay and 17 Loads Straw.

Alfalfa 60.00-89, few to 164.00; Mixed hay 61.00-137, few to 163.00; Timothy hay, few 109.00-133.00; Reed Canarygrass, one 100.00, Orchard Grass, one 116.00; Straw 56.00-77, few to 84.00; Ear Corn, 12 loads 80.00-97.00, Corn Fodder, one load 46 00; Oats, one load 2.00 per bushel

Belleville Hay
Wednesday, May 26
Report supplied by PDA
Belleville, Pa.

23 Loads Hay.

Alfalfa 91.00-142.50; Mixed hay 65.00-107.50, few to 150.00; Timothy hay, 2 loads 95.00 & 112.50; Straw, one load 55.00.

New Holland Hay
New Holland Sales Stables
Monday, May 31
Report supplied by auction

97 loads, market slow on all types except to loads of alfalfa which sold steady

Alfalfa choice 160.00-212.00, medium 100.00-150.00, few loads 80.00-90.00; Mixed choice including few loads of Timothy & Alfalfa 150.00-175.00, medium 100.00-150 00, few loads moldy or off-color 70.00-90.00; Timothy choice 100.00-142.00, medium 90.00-100.00; Straw mostly 55.00-65.00, few up to 82.00; Ear Corn 86 00-92.00; one Bromegrass 98.00; one Canarygrass 89.00; few loads of Mulch Hay 30.00-54.00.

Good's Hay
Leola, Pa.
Wednesday, June 2
Report supplied by auction

116 loads.

Mixed 86.00-182.00; Alfalfa 130.00-174.00; Timothy 92.00-129.00; Straw 51.00-67.00; Corn 83.00-86.00; two Clover 95.00 & 110.00; two Oats 2.50 & 2 55 bu.; one Corn Fodder 59.00.

Frederick Co. Hay
Buckeystown, Md.
Thursday, June 3
Report supplied by auction

11 loads; final sale of season; auction to reopen October 7.

2 loads Alfalfa one dark 89.00 & 150.00; two Timothy 116.00 & 135.00; two Mixed 67.50 & 113.00; four Wheat Straw 51.00-67.00; one Ear Corn 77.00.

Leinbach's Hay
Shippensburg, Pa.
Tuesday, June 1
Report supplied by auction

4 loads Mixed 95.00-140.00; one load Straw 68.00.

Kiester's Hay
Middleburg, Pa.
Tuesday, June 1
Report supplied by auction

10 loads of Hay. Mixed 70.00-105.00; Timothy 52.00-99.00.

5 loads of Straw 50.00-57.00

2 loads of Ear Corn: 78.00 & 80.00

Pa. Grain
Monday, June 1
Report supplied by PDA

Compared with last Monday's market for Southeastern, Central and South Central Pa.: Corn, Barley & Ear Corn unevenly steady, instances weaker. Wheat steady to 10 cents lower. Oats steady.

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

Southeastern Pa.

Corn No. 2-y range 2.75-3.05, average 2.88, New Crop 2.65-2.71; Wheat No 2 range 3.47-3.70, average 3.57, New Crop 3.10-3.27; Barley No. 3 range 2.00-2.30, average 2 15, New Crop 1.85-1.95; Oats No. 2 range 2.10-2.35, average 2.21; Soybeans No. 1 range 6.00-6.30, average 6.16, New Crop 5.95-6.01; Gr. Sorghum #2 range 2.15, average 2.15; Buckwheat New Crop 10.55; Ear Corn range 75.00-81.50, average 78.54.

Central Pa.

Corn No. 2-y range 2.65-2 95, average 2.81, Wheat No. 2 range 3.35-3.60, average 3.47, Barley No. 3 range 2.10-2.20, average 2 14; Oats No 2 range 1.90-2.10, few reported 2.25, average 2.04; Gr. Sorghum #2 range 2.40, average 2.40; Ear Corn range 72.00-78.00, average 73.90.

South Central Pa.

Corn No. 2-y range 2.55-2.79, average 2.65; Wheat No 2 range 3.20-3.40, average 3 28; Barley No 3 range 2.15-2.25, few reported 2 00, average 2.16, Oats No. 2 range 2.10-2 35, average 2 19, Ear Corn range 65.00-80.00, average 72.63

Western Pa.

Corn No. 2-y range 2.50-2.70, average 2.65, Wheat No 2 range 3.00-3.60, average 3.27; Barley No 3 range 2.20-2 25, average 2.23; Oats No. 2 range 2.00-2.10, average 2.06; Ear Corn 68.00-74.00, average 71.00.

Southeastern Central & South Central Summary

Corn No. 2-y range 2.65-3.00, average 2.82; Wheat No. 2 range 3.30-3.65, average 3.49; Barley No. 3 range 2.00-2.30, average 2.15; Oats No. 2 range 1.90-2.35, average 2.12; Ear Corn range 70.00-81.00, average 75.61.

Lebanon Valley Auction
Fredericksburg, Pa.
Tuesday, June 1
Report supplied by PDA

CATTLE 145. Compared with last Tuesday's market, slaughter cows $1 to $1.50 lower. Choice No. 2-4 1010-1255 lbs. slaughter steers 68.50-70.25, few Good 63.00-68.00, Standard 54.10-59.85, few holsteins Good & Choice 61.00-63.75, few Utility 45.25-54.00. Few Choice slaughter heifers 63.00-65.60, few Good 55.10-63.75, one Standard at 52.85, few Utility 37.75-46.00. Utility & Commercial slaughter cows 43.00-44.85, few to 47.75, Cutters 40.50-42 75, Canner & Low Cutter 37.25-40 50, few Shells down to 28.00. Standard slaughter bullocks 51.00-55 00, two Utility 45 50 and 48.75 Yield Grade #1 (two) 1250 and 1325 lbs. slaughter bulls 52 75 and 53 00.

CALVES 150 Vealers uneven One Prime vealer at 85.00, Choice 75.00-87.00, Good 69.00-75 00, Standard & Good 90-120 lbs. 64 00-70.00, 65-90 lbs. 58.00-64.00, few Utility 50-70 lbs. 52.00-55.00. Farm calves, holstein bulls 80-120 lbs 74.00-120.00, mostly 82.00-110.00, few holstein heifers 85-125 lbs 90.00-100.00.

HOGS 125. Barrows & gilts mostly steady. US No 1-2 205-255 lbs. barrows & gilts 61.25-62.35, lot 61.00, No. 1-3 200-250 lbs. 61 10-62.00, lot 60.50. US No. 1-3 280-535 lbs. sows 51.50-52.50, few to 55 50, few No. 2-3 265-505 lbs 49.00-52 25, few Medium 265-360 lbs 42.50-47 25 One Boar at 44.00, lot light weights 52.75.

FEEDER PIGS 40 US No. 1-3 20-45 lbs. feeder pigs 74.00-99.00 cwt, few No 1-3 60-75 lbs 46.00-61 00 cwt.

SHEEP 15 Few Choice 55-110 lbs. spring slaughter lambs 53 00-74.00, few Good & Choice 35-50 lbs 48.00-53.00. Two Slaughter ewes 10 00 and 11.00

BUTTER EGGS

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* AATREX 90
* PRINCEP CAL 90
* FURADAN 10-G
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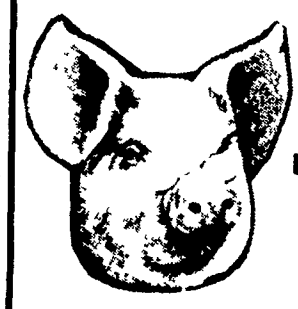

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7:00 P.M.- Small Animal Sale

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Big Demand for Good Quality Hay. Bring a load, Buy a load.
Melvin Sensenig, Auctioneer

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ON THE FARM MONTHLY
BRED GILT SALE
Sale to Start Promptly at 7:30
Every 4 Weeks

NOTICE
Evening sale June, July, August at 7:30 P.M.

Located 18 miles south of Lancaster, Pa., 6 miles south of Quarryville, take Rt. 272 to Little Britain, turn north, follow Little Britain Road to Jackson Road, 2nd farm, OR take Rt. 222, out of Quarryville to Cedar Hill Road to Little Britain Road to Jackson Road. Watch for sale arrows.

50 to 60 Head
Now selling our new hybred gilts representing mostly York & Hampshire & Landrace cross. Bred for easier & Less trouble over farrowing and better weight gains.

Validated Brucellosis Free Herd #169
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WE NOW HAVE BREEDING DATES
Due to farrow 3 days to 4 weeks after sale date Now everything vaccinated for both Lepto & Erysipelas, wormed and sprayed for lice

Local Trucker Available
No Hogs Sold On Commission.

CHRIST A. BEILER
R.D. 2, Quarryville, Pa
JOHN B. STOLTZFUS
R.D. 1, Kirkwood, Pa
Abe Diffenbach, Auctioneer
NEXT SALE DATE JULY 9 AT 7:30

Livestock market and auction news

Central U.S. Carlot

Wednesday, June 2
Report supplied by USDA

Compared to Tuesday's 4:00 p.m. report Steer and heifer beef 1.00-2.00 lower, except steady early sales on Choice 400-550 heifer beef. Demand light to moderate on moderate supplies. Processors continue bearish while packers are showing some late firmness. The boxed beef carcass cutout value declined $2.01 to an estimated $118.80 per cwt. Sales reported on 107½ loads of steer and heifer beef.

STEER BEEF
71 Loads
FOB Omaha Basis

Choice 3: 600-900 lbs 114.00-116.00, late 115.00, 2.00 lower.

Choice 3: 600-700 lbs 116.50-118.00.

Choice 2: 600-700 lbs 117.50-119.00.

Good 2-3: 600-900 lbs. 111.00-112.00, 1.00 lower.

Good 2-3 600-700 lbs. 112.50-113 50.

FOB Amarillo Basis

Choice 3. 600-700 lbs 116 00-118 00.

Choice 2 600-700 lbs 118 00-119 00

HEIFER BEEF
36½ Loads
FOB Omaha Basis

Choice 3 550-700 lbs 113 00-114 00, 1.00-2 00 lower.

Choice 3. 600-700 lbs 115 00-116.00.

Choice 3 500-550 lbs 107 00 early, steady

Choice 3. 400-500 lbs 105.00 early, steady

Choice 2: 600-700 lbs 116 00-117 00

Good 2-3 550-700 lbs. 108.00-109.00, 1.00 lower.

Cow beef 1.00-1.50 lower in thin test Demand light

COW BEEF
5 Loads
FOB Omaha Basis

Bng Utlty 2-3: 400/up lbs. 78.50-79.00 Midwest.

Cnr. & Cutter 1-2: 350/up lbs. 78.50 Midwest.

PRIMAL BEEF CUTS
4 Loads
FOB Omaha Basis

FORES: 130-210 lbs. 95.75.
ARMCHUCKS. 75-120 lbs. 83.50.
RIBS: 30-43 lbs. 163.00.
SHORT PLATE: 79 50.

BONELESS PROCESSING BEEF/BEEF TRIMMINGS
3½ Loads
FOB Omaha Basis

90% chem lean fresh 115.
75% chem lean fresh 102.00.
75% chem lean frozen 102.00

Compared to Tuesday's 4 00 report. Fresh loins and picnics steady to 2.00 higher Boston butts steady. Fresh hams 1 50 to 2 00 higher on 17-26 lbs. weights. Sdls bellies 2.00 lower. Trading moderate. Demand good on most items as supplies limited; demand light on bellies as speculators off the market. Sales reported on 46 loads and 11 loads of trimmings

FRESH PORK CUTS

LOINS. 14/dn lbs. 122.00; 14-17 lbs. 119 00-121.00, late 121, 1.00-2 00 higher, 17-22 lbs 117.00, 2 00 higher, 22/up lbs 103.75-104.00, stdy with last test.

PICNICS 4-8 lbs 58 00-60 00, stdy-2.00 higher

BOSTON BUTTS. 4-8 lbs 101 00-101.50, steady, 8/up lbs 100 00, steady

SKINNED HAMS 17-20 lbs 87 00-87.50, 1.50 higher, 20-26 lbs 86 00, 2.00 higher

BELLIES, SDLS 12-14 lbs. 74 00-76 50, late 74 2 00 lower, 14-16 lbs 74 00-76 00, late 74, 2 00 lower, 16-18 lbs 76.50 early

PORK TRIMMINGS
BONELESS PROCESSING PORK (Chemical Lean)

42% trimmings 68 00 fresh, steady

72% trimmings 94 00-95 00 fresh, steady

72% bnls pics 96.00 frozen.

72% bnls pics 96.00 frozen.

88% blade meat 120.00 frozen

Skinned Jowls 70.00 frozen, 1 00 higher

Middleburg Auction

Middleburg, Pa.
Tuesday, June 1
Report supplied by PDA

CATTLE 334. Compared with last Tuesday's market, slaughter steers 50 cents lower Slaughter cows $1-$3 lower. Low to average Choice 975-1250 lbs. (2-4) slaughter steers 68 35-73.10, one 73.85, Good 58.75-67.75, Standard 53-58.25, Utility 45.75-52 Choice slaughter heifers 65.25-70.60, Good 58.00-60 50 Utility & Commercial slaughter cows 42.75-46.85, couple 51.85, one at 57 25, Cutters 39-43 85, Canner & Low Cutters 36.75-39, Shells down to 29.75. Few Choice slaughter bullocks 59 85-63 75, Good 53.85-59. Yield Grade #1 1100-1900 lbs. slaughter bulls 50.10-54 85 Few Medium Frame #1, 500-800 lbs feeder steers 55 00-60

CALVES 168 Choice vealers 85 00-97, individual 104, Good 65 00-80, Standard and Good 70-100 lbs 50 00-63, Utility 50-80 lbs 42 00-52 Farm Calves Holstein Bulls 85-130 lbs 62.00-110, mostly 90.00-107, Hol Heifers 75-115 lbs 61-82 50

HOGS 597 (5-31-82) Barrows and gilts 25 cents lower US No 1-2 210-235 lbs. barrows and gilts 61 00-63, few 63 85, No. 190-250 lbs 60 25-61, No 2-3 190-270 lbs. 58-60.25 US No 1-3 300-600 lbs sows 52-56 25, No 2-3 300-500 lbs 48 00-52

HOGS 75 (6-1-82) US No 1-2 2-220 lbs barrows and gilts 60 85-61 35, No 1-3 2-240 lbs 59 75-61 Boars 46-53 25

FEEDER PIGS 245 US No 1-3 30-50 lbs feeder pigs 39 00-59 per head, No 1-3 50-70 lbs 58-64 50 per head

SHEEP 5 Few Slaughter ewes 10 00-20 00

Carlisle Auction

Carlisle, Pa.
Tuesday, June 1
Report supplied by auction

CATTLE Steers Good to low Choice 62.00-68 00, Medium to Good 56 50-60 00, Standard 52 00-57.50 Heifers 3 00 higher Good 57.50-58 75. Cows Early bird pen 2 00-3.00 higher. Utility & Commercial 43 85-47 25, Cutter 38.25-43.50; Canner & Low Cutter 35 75-40.00, Shells down to 34 00 Bullocks (Beef Bulls) Good 49 25-53.00. Bulls. Yield Grade No 2, 48 25-54.85; Yield Grade No 3, 44.25-49.25.

FEEDERS. No Choice offered. Steers: Medium 300-350 lbs. 55.00-56.00; Medium 525-690 lbs 42.00-52.00; Medium 730-790 lbs. 52.00-54.50. Heifers. Medium to Good 43.00-54.00; Medium 405-575 lbs. 46.50-52.00; Medium 570-655 lbs. 50 00-53.00 Bulls Medium 320-340 lbs 37 50-47 00, Medium to Good 410-515 lbs. 47 00-57 00. Feeder Pigs. US No. 1-3 30-34 lbs. 46 00-50 00 Hd No 1-3 20-27 lbs 21 00-36 00 Hd No 1-3 49-62 lbs 45 00-53 00 Hd Calves Vealers Choice 80 00-90 00, Good 60 00-80 00, Standard & Good 50 00-65 00, prices up 2 00 Farm Calves 18 00 higher Hol Bulls 98 00-122.00 Hogs Strong demand, price 1 75 higher US No 1-2 61 75-63 75, US No 1-3 59 50-62 10, US No 2-3 down to 54.75 Sows Steady to 50 lower US No 1-3 54.75-55 50, No 2-3 48 00-53 50 Boars 2 00 lower - Few at 44 50 Lambs Good to low Choice to 80 00, Medium to Good 52 00-60 00 Ewes 17 00-30 00 Goats 34 00-49 00 Hd

Morrison Cove Auction

Martinsburg, Pa.
Monday, May 31
Report supplied by auction

CATTLE 247 High Choice & Prime slaughter steers 72 85-74 50, Choice 70 50-72 25, Good 64 60-70 50, Standard 57 25-64 25, Utility 52 50-56 25 Choice slaughter heifers 69 35-70 10, Good 66.25-67 75, Standard 58 25-62 75, Utility 42 50-57 25 Utility & Commercial slaughter cows 45 25-53 50, Cutters 42 75-45 75, Canner & Low Cutters 37 50-42 25, Shells down to 32 Good slaughter bullocks 55-57 25, Standard 51 50-53 50, Utility 40 10-49 75 Yield Grade No 1, slaughter bulls 53 50-57 10, #2, 48 25-51 50 FEEDER CATTLE Choice feeder steers 57 50-60 50, Good 54 25-57 50, Medium 50 50-53 25, Good feeder heifers 54 50-58 50, Medium 45-51 50, Good feeder bulls 56 50-58 50, Medium 45-53.50.

CALVES 265 Prime vealers 92-98 50, Choice 84-92.50, Good 76.50-84, Standard and Good 110-130 lbs 65-74 50, 90-110 lbs 60-63.50, 70-90 lbs. 45-58.50. Farm Calves Holstein Bulls 90-130 lbs 80-120 50, Hol. Heifers 90-130 lbs 70-92.50

HOGS 399. US No 1-2 2-240 lbs barrows and gilts 61.25-62.35, No. 1-3 2-240 lbs. 60.25-61.25, No. 2-3 2-250 lbs. 56.25-60.25, 2-250 lbs. 58-60.10, No. 1-3 150-200 lbs. 56.25-57.25. US No. 1-3 sows 50.50-51.50, No 2-3 50.50-51. Boars 45-50.50.

FEEDER PIGS 7 US No 1-3 25-40 lbs feeder pigs 42 50-47 50 per head

SHEEP 4 Slaughter ewes 18 50-27

GOATS 17 $14 00-37 00

Four States Livestock

Hagerstown, Md.
Wednesday, May 26
Report supplied by auction

SLAUGHTER Fed Steers $1 00 lower Choice 66 00-68 00, Good 60.00-65 00, Medium 59 00 Down Heifers Choice 62.00-64 25, Good 57 00-61 00, Medium 56.00 Down Cows, Good run, $1 00 lower High Yield 46.00-49.50, Average 41 00-45 00, Big Middle 37 00-40 00, Fatty Herf 36 00-39 00, Shelly 38 00 Down Fat Bulls Good 51 00-53 75, Medium 47 00-50 00 Veal Calves $5 00 under last week Choice 85 00-90 00, Good 75 00-84 00, Medium 65 00-74 00, Farm Hfrs to 90 00, Farm Bulls to 118 00, Light & Weak 60 00 Down Lambs Demand weaker, $5 00 lower Choice 61 00-65 00, Good 55 00-60 00, Medium 54.00 Down

STOCKER Steers 300-550 lbs $5 00 lower Choice 68 00-71 00, Good 62 00-67 00, Medium 56 00-61 00, Culls 55 00 Down Steers 600-850 lbs Choice 62 00-65 00, Good 56 00-61 00, Medium 55 00 Down Heifers (All Weights) Choice 55 00-60.00, Good 47 00-54 00, Medium 46 00 Down Bulls Choice 58 00-62 00, Good 52 00-57 00, Medium 51 00 Down Springing Heifers to 1000 00 Pigs, Hd very active 20-30 lbs 30 00-43 00, 40-60 lbs 44 00-52.00 Shoats by Lb to 53 50 Slaughter Hogs Large run, 75 cents under last wk 210-230 lbs 59 25-59.85, 240-260 lbs 58.50-59 50, 190-205 lbs 55 00-58 00 Sows 425-565 lbs 49 00-53.00; 300-400 lbs 46 00-48 00

For quotations of next week's prices
call collect 215-488-7617
After 2:00 P.M. Wednesday

LESS LABOR

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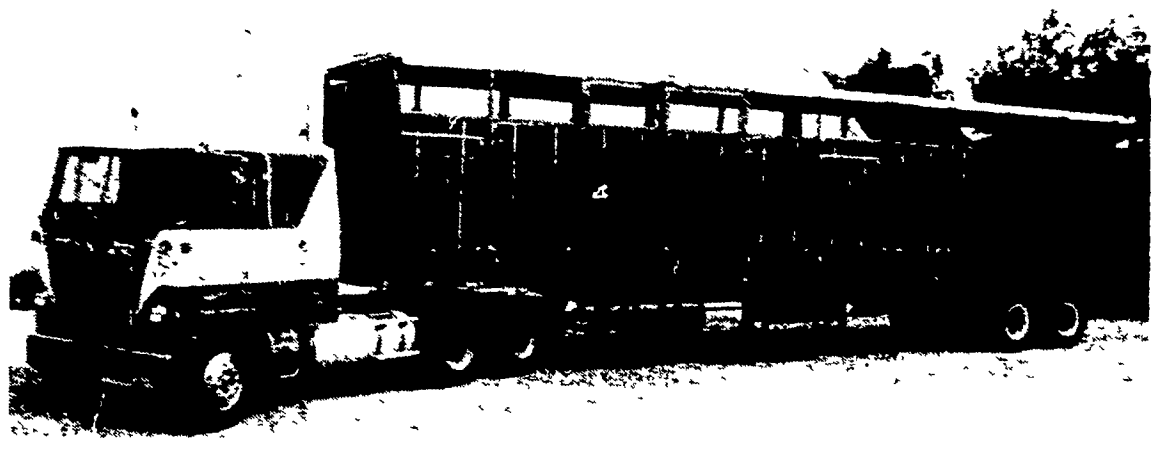

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CLOSED WEDNESDAYS

THE OLD FARMER'S ALMANAC

JUNE 7-13, 1982

Mackerel sky will lift, by and by.

Hang hammocks outside now NAACP leader Medgar Evers murdered June 12, 1963 Average length of days for the week, 15 hours, 13 minutes World's largest flower (four feet in diameter) bloomed, New York Botanic Gardens, June 8, 1837 *Gossamer Albatross*, first man-powered aircraft, crossed English Channel June 12, 1979 *A writer is rarely so inspired as when he talks about himself*

Ask the Old Farmer: Evidently the original settlers of Connecticut fancied the word "bury" to tag onto the names they chose for their towns, to wit — Danbury, Waterbury, and no doubt many others What is a 'bury"? D L, Hartford

The suffix as it is used in town names, is merely a form of the word borough, and originally meant "a fortified place"

Home Hints It is said that a pickle or lemon eaten at night after you have had coffee will prevent sleeplessness

OLD FARMER'S WEATHER FORECAST

New England: Week is cloudy and cool, with showers, for weekend, sunny and warm north, showers south

Greater New York-New Jersey. Cloudier and cooler, with rain, through midweek, then sunny and warm, hot muggy weekend

Middle Atlantic Coastal: Sunny and warm to begin week, weekend brings partly cloudy skies, a few showers, hot temperatures

Piedmont & Southeast Coastal: To start, thundershowers, cooling, rest of week is sunny and hot, then rainy

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Livestock market and auction news

Joliet Cattle

Thursday, June 3
Report supplied by USDA

CATTLE: Friday through Wednesday's salable receipts 2,700; 5 days last week 3,027, same period a year ago 3,515. Trading moderate for the week. Slaughter Steers ended the week .50 to mostly 1.00 higher. Slaughter Heifers ended the week mostly 1.00 higher. Cows steady to weak.

SLAUGHTER STEERS: Mixed High Choice and Prime 3-4 1150-1350 lbs. 75.50-76.00, load Tuesday 76.50. Choice 2-4 1100-1300 lbs. 73.00-75.00, 1000-1100 lbs. 72.00-73.50 Tuesday; 71.50-73.00 Wednesday; 925-1000 lb. 71.00-72.00 Tuesday; 70.00-71.00 Wednesday. Mixed Good and Choice 2-3 1100-1200 lbs. 71.00-72.00 Tuesday; 70.00-71.50 Wednesday; 900-1100 lbs. 69.00-71.50. Choice 2 1560 lbs. 64.00 Wednesday.

SLAUGHTER HEIFERS: Choice 2-4 900-1050 lbs. 70.00-72.00; 825-900 lbs. 68.00-70.00. Mixed Good and Choice 2-3 800-1000 lbs. 67.00-69.00.

SLAUGHTER COWS: Cutter & Utility Few Commercial 1-3 40.00-45.00.

Peoria Cattle

Thursday, June 3
Report supplied by USDA

Compared to last week Slaughter Steers and Heifers sold .50-1.00 higher. Cows steady to 1.00, instances 2.00 lower. Bulls steady to 1.00 lower. Trade moderate this post holiday week with broad buyer demand noted on Tuesday in response to a late week rally in wholesale beef trade. Wednesday's trade turned slow especially on Steers with buyers anticipating the carcass beef prices to trend downward and erase all advance noted the previous week. Majority of receipts mainly Good and Choice Steers and Heifers with average Choice and Prime Steer consignments scarce and poorly tested at midweek. Receipts this week about 2200 compared to 2340 last week and 2918 a year ago.

SLAUGHTER STEERS: Choice, few Prime 2-4 1000-1300 lbs. 71.50-73.50, few lots 1025-1225 lbs. 73.75-74.00. Good and Choice 2-3 1075-1225 lbs. 71.00-72.50. 900-1100 lbs. 68.50-71.00. Good 68.00-70.00, few 65.00-68.00. Holsteins Good and Choice 1-3 1150-1350 lbs. 60.00-62.50. Standard and Good 58.00-60.00.

SLAUGHTER HEIFERS: Choice, including Prime 2-4 850-1050 lbs. 70.00-72.00, part load 1045 lbs. 72.50. Good and Choice 2-3 850-1050 lbs. 67.00-70.50, largely 68.00-70.00. Good 65.00-69.00.

COWS: Closing sales Utility and Commercial 1-3 41.00-45.00, bulk 42.00-43.00. Cutter 35.00-41.00. Canner and low Cutter 32.00-36.00.

BULLS: YG 1-2 1200-2000 lbs. 48.00-53.00.

Valley Livestock

Valley Stockyards
Athens, Pa.
Monday, May 31
Report supplied by auction

Total No. of Head 612. Hay second cutting 71.00 per ton; Straw mixed hay 55.00 ton. Remarks-Very active for a holiday. Cattle market steady. Calf market higher.

Holstein Hfr Calves to 127 50, Veal Calves to 94.00; Vealer Bull Calves 90.00-112.00; Slaughter Calves 62.00-75.00; Grasses & Feeders 38.00-68.50; Lambs 50.00-68.50; Sheep 8.00-21.00; Hogs, 200-250 lbs. 53.00-60.00; Sows 48.00-54.00; Boars 38.00-46.50; Pigs 16 00-53.00; Heifers 42.00-46.75; Steers medium 38.00-56.00; Steers, feeder 39.00-52.00; Bulls 42.50-53.00; Cows, utility 42.00-44.50; Cows, fat 40 00-44.00; Cows, medium 34.50-37 50, Cows, poor or small 32.00-34 00, Horses to 625.00; Ponies to 240 00, Goats to 44.00.

New Holland Horse

Monday, May 31
New Holland Sales Stables
Report supplied by auction

Reported receipts of 348 head of horses, mules, and ponies Market. lower.

Load of driving Ill 685.00-1375.00; Load of driving TN, 700.00-900.00.

Better horses 600.00-1010 00, Driving horses 375.00-1250.00, Riding horses 375.00-550 00, Lightweight killers 375.00-500.00, Heavyweight killers 550.00-650.00, Mares Ponies 45.00-135.00; Pony Colts 15.00-45.00, Geldings 45.00-135.00; Larger ponies 165.00-265 00

June is dairy month

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Va. market summary & sale reports

Direct market reports provided by Va. Dept. of Agriculture in cooperation with USDA

Virginia Auction Summary

May 27-June 2
Report supplied by VDA

Total of Va. Weekly Auction Receipts: 2557.

TREND: Steers mostly steady to $3.00 lower; heifers mostly steady.

Northern, Va.
Auction Summary
May 27-June 2

Auctions included: Fredericksburg, Rockingham, Front Royal, Madison, Marshall, Orange, Staunton and Winchester.

STEERS: 300-500 lbs. Medium 1 60.50-71.00; Large 1 60.60-71.50; Small 1 48.00-66.00; 500-700 lbs. Medium 1 62.00-72.50; Large 1 60.50-67.00; Small 1 59.00-67.00; 700-1000 lbs. Medium 1 57.50-67.50, Large 1 59.00-68.00.

HEIFERS: 300-500 lbs. Medium 1 46.00-53.50; Large 1 48.00-52.50, Small 1 48.00-56.00; 500-700 lbs. Medium 1 51.50-64.00; Large 1 52.50-65.50; Small 1 50.00-57.00; 700-900 lbs. Medium 1 49.00-57.00; Large 1 47.50-57.50.

Eastern Va.
Auction Summary
May 27-June 2

Auctions included. Southampton, Blackstone and Smithfield.

STEERS: 300-500 lbs. Medium 1 61.50-62.00; 500-700 lbs. Medium 1 62.00-63.00.

HEIFERS: 300-500 lbs. Medium 1 52.00-54.00; 500-700 lbs. Medium 1 49.00-52.75; 700-900 lbs Medium 1 47.00-50.00.

Western Va.
Auction Summary
May 27-June 2

Auctions included. Hollins, Lynchburg, Galax, Tri-State, Wytheville.

STEERS: 300-500 lbs. Medium 1 60.50-71.00; Large 1 63.75-69.00, Small 1 54.00-64.00; 500-700 lbs. Medium 1 58.00-68.50, Large 1 59.00-62.75; Small 1 54.00-65.00; 700-1000 lbs. Medium 1 58.25-63.50, Large 1 52.50-58.00.

HEIFERS: 300-500 lbs. Medium 1 47.00-56.00; Large 1 50.50-58.00, Small 1 45.00-52.00; 500-700 lbs. Medium 1 46.00-55.50, Large 1 51.50-56.00; Small 1 45.00-52.00, 700-900 lbs. Medium 1 48.00-55 25, Large 1 45.50-57.25; Small 1 45.00-51.00.

Slaughter Cattle

Marshall, Va.
Tuesday, June 1

255 head.

Steers choice 2-3 1050-1250 lbs 70 50-72.60; Good 2-3 1000-1200 lbs 65.00-70.00, Standard 900-1000 lbs. 58.00-63 00

Computer Slaughter Lamb Sale

Dublin, Va.
Friday, May 28

935 head.

High Choice & Prime 95-125 lbs spring lambs 50.00-67.25; Choice 85-125 lbs. spring lambs 63.50-64.25; Choice & Prime shorn lambs #2 pelts 58.75; Choice & Prime shorn lambs #2 pelts 55.75.

Feeder Pigs

Marion, Va.
Wednesday, June 2

FEEDER PIGS. Receipts 343

US 1 & 2 40-49 lbs. 101 00; 50-59 lbs. 93 00; 60-69 lbs. 81.00; 70-100 lbs. 71.00.

US 3 40-49 lbs 96 00, 50-59 lbs 86 00; 60-69 lbs 76 00, 70-100 lbs 66 00

UTILITY & 4 40-49 lbs. 61 00

Feeder Pigs

Courtland, Va.
Thursday, May 27

FEEDER PIGS Receipts 473

US 1 & 2 30-39 lbs. 120 00; 40-49 lbs. 123 00; 50-59 lbs. 107 00, 60-69 lbs 97.00; 70-84 lbs 87 00, 85-99 lbs 75 00.

US 3 30-39 lbs. 104 00, 40-49 lbs 118.00, 50-59 lbs. 103.00; 60-69 lbs 90 00; 70-84 lbs 83.00

UTILITY & 4 30-39 lbs 79 00; 40-49 lbs. 79 00, 70-84 lbs 65 00

G&M Livestock

Monday, May 31
Duncansville, Pa.
Report supplied by auction

Compared to last week, steers-lower, cows-lower, hogs-steady

STEERS: High Choice and Prime 68.00-73.10, Good to Choice 62 00-68.00; Good 58.00-62 00, Standard 54.00-58.00, Utility 48.00-54.00

HEIFERS. High Choice and Prime 63.00-68.25; Good to Choice 57 00-63.20; Standard 52 00-57.00; Utility 48.00-52.50.

FEEDERSTEERS Good to Choice 300-600 lbs. 52.00-62 50; Standard to Good Heifers 300-600 lbs. 50.00-60.00

BULLS 1200-1970 lbs. 50.00-65.25; 900-1200 lbs 48 00-56.00.

COWS High Choice 50.00-52.00, Good 46 00-50 00; Standard 42 00-46.00; Utility 38.00-42.00; Cutters 36.00-38 00; Canners 34.00.

CALVES High to Choice 85 00-96 00; Good to Choice 75 00-85 00, Standard to Good 60.00-75.00, Utility Down to 48 00.

FARM CALVES Hol Bulls 90 00-119 50, Hol Heifers 80.00-117 00

FEEDER PIGS. 25-35 lbs 25 00-35 00; 35-50 lbs 35.00-49.00

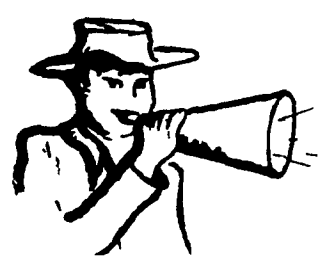
HOGS 200-240 lbs. 60 00-61 90

SOWS 48 00-54.50.

BOARS: 43.00-46 50.

SHEEP: 15 00-36 00

LAMBS: 63 00-73.00.



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Off the Sounding Board

By Sheila Miller, Editor

Assisting ag's rebirth

It's been a long nine months since the artificial inseminator visited the farm to breed your best cow. Inside your pedigreed bovine grows your hope for a better future — a calf by one of the top bulls of the breed

The best way to describe this particular cow's gestation is "pampered" ever since the day the vet was out to pregnancy check the herd It was hard to hide your excitement when your hopes were confirmed and the cow was proclaimed safe in calf

Now it's almost time. She's due today, and it's a toss up on who's the most nervous about the approaching arrival — you or the cow

As her labor begins to intensify, you watch with all the enthusiasm of a first-time father Her water breaks and you anxiously await the presentation of those tiny, white hooves, praying that what will appear are front feet rather than breeched, back feet

Time lags on and still no calf comes squeezing into the world With each passing moment, your anxiety grows and questions flood your mind. Should I go in after the calf? Should I give the cow more time to deliver? Have I already waited too long?

Finally, with a groan, the cow pushes out the sight you've been waiting for — two glistening hooves Without hesitation, you grasp hold of the calf, your promise for future success. Make-shifting binder twine and a stick for last-minute "obstetrical chains," you take the future into your own hands and put your heart and dreams into each assisted contraction.

As each minute passes like hours, you watch as slowly the calf's head emerges Is it alive? That bluish tinge coloring it's nose leaves a haunting doubt in your mind.

With one final, cooperative effort, both the cow and you concentrate on freeing the calf from the trauma of birth. Then, with a surge, all your waiting and watching pays off as a perfect heifer calf lies quietly on its straw bed You watch proudly as life-giving oxygen rushes into her lungs and turns that starved, blue hue into healthy pink.

Success stories such as this one happen every day on the thousands of farms throughout the country — not only on dairy farms but in any kind of livestock enterprise. The phenomenon of birth is as natural to most farmers as eating or sleeping And yet each time a cow calves or a sow farrows, there's a crucial decision-making process on which hinges success or failure.

Much like the gestation of a calf, success in the form of profitability on the farm, is a long-awaited occurance Much planning and care and planning goes into each phase of this risky occupation — not to mention considerable financial investments

As farmers, we grasp and grapple with each new opportunity to improve our lots, hoping it won't "die" in the final stage We rejoice at a hay crop that escapes the rain and is safely stacked away in the barn, or the corn crop that evades the damages of hail or drought to yield record bushels per acre, or the future "champion" livestock that grow their ways into "winner's circles," whether in the show ring or auction barn.

Farmers, like those in the dairy, swine, poultry, and fruit industries, readily recognize the need to roll up their shirt sleeves to assist in the "birth" of a profitable, productive industry. Referendums, advertising checkoffs, acreage reductions, all are tools we use to help assure our financial futures in an unpredictable marketplace

Today's farmers go one step further in trying to breathe life into what would seem to others to be a faltering agricultural heartbeat. Unlike the laboring cow who can't ask for help, farmers have been picking up their telephones and writing letters to legislators both on the national and state levels. We share our stories of success and failure and hope these policymakers will recognize our plea for help

Just recently nearly 2 million farmers took part in the Agriculture Council of America's 12-hour National Hearing on the Farm Economy. During that time, about 2,000 farmers from across the U.S were able to call Washington and speak to members of Congress, Executive Branch officials, congressional aides, and farm-group representatives.

According to ACA, the predominant concerns voiced by the callers were: high interest rates, and U.S. trade policy and performance

"We are more than delighted with the response of both policymakers and the agricultural community," said ACA President Allen Paul.

"This is exactly what we wanted — to dramatize to those who can make a difference the plight of agriculture today, with net farm income plunging below the levels recorded during the Depression

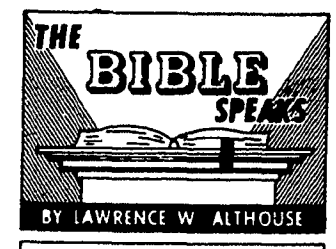
"Perhaps now, policymakers and opinion leaders will be fully conscious that agriculture, just as housing, auto, and other major industries, is in serious trouble and needs rapid, meaningful attention."

Low commodity prices, the 1980 grain embargo, overproduction, inadequate price supports, and the federal budget deficit were also cited by these farmers as reasons why 75 percent of them viewed their economic futures negatively in the recent survey

To solve these current economic problems on the farm about 54 percent of the callers asked for temporary assistance to prevent defaults on outstanding farm debt And 81 percent thought price support rates should be increased, calling for hikes of more than 20 percent

As we celebrate June Dairy Month, we realize the challenges facing farmers today and in the future, both economically and productively We have faith that through self-help efforts like voluntary check-offs and curbed production we will be able to work with national and state leaders and breathe new life into agriculture

Like the wobbly calf, agriculture needs to be nurtured both internally and externally to gain the strength and will it needs to survive.



A STRANGE KIND OF FAVOR

June 6, 1982

Background Scripture:
Luke 1-2;
John 2:1-12;
19:25b-27.
Devotional Reading:
John 2:1 12.

It seems to me that, if Roman Catholics have often made too much of Jesus' mother, Mary, so, too, Protestants have generally made too little of her. There are lots of Protestant churches named for St. Paul, St. Peter, St. Thomas, St. John, and St. James, but I have never encountered one named for Mary, the mother of Jesus.

I find this very curious inasmuch as Mary shines as one of the most interesting and inspiring persons in the New Testament. Next to Jesus himself, there is no one as highly celebrated by the four evangelists: "Blessed are you among women, and blessed is the fruit of your womb," exclaimed Elizabeth, her kinswoman.

She Was Greatly Troubled

The veneration given Mary by Roman Catholics has often had an effect similar to the one produced by Protestant indifference: Christians generally find it hard to identify with her. She is either set far above our human situation or ignored entirely. Yet there is a great deal that Mary can teach us about the living of our own lives.

Mary was, like us, a human being and therefore subject to all the concerns and limitations that confront us. When confronted by the angel, Gabriel, we are told that she was "greatly troubled at the saying and considered in her mind what sort of greeting this might be." God was revealing to Mary that he had a plan and purpose for her life, and, like any of us, Mary's response was one of fear and self-doubt. Even after Mary accepted her role as the mother of Christ, there were times when doubt and misunderstanding took over. On one occasion, Mary and some of Jesus' brothers are convinced Jesus is "beside himself," and come, seeking to persuade him to stop and come home.

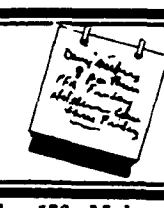
Handmaid of the Lord

But, if Mary's faith and understanding were sometimes as imperfect as ours, she had other traits that carried her beyond those limitations. For one thing, she was a woman who reflected on her experience. Confronted by Gabriel, Luke tells us she "considered in her mind" his message Later, he tells us "Mary kept all these things, pondering them in her heart."

Secondly, even though she did not fully understand God's will for her, she committed herself to it. "Behold, I am the handmaid of the Lord; let it to be me according to your word!" There are times in our lives when our understanding carries us as far as it can and then we must make the leap of commitment and submit ourselves to God's purpose.

"Hail, O favored one, the Lord is with you." During the stormy days of Jesus' ministry and the last week in Jerusalem, Mary must have mused that it was a strange kind of "favor" God had bestowed on her. But Mary was to learn, as we must, that the "favor" of God often means a cross. It is only beyond the cross and the resurrection that the favor of God is seen in its true light.

Farm Calendar



Saturday, June 5

Annual Sheep Field Day & Performance Ram Sale, Allentown Fairgrounds

Mason-Dixon Polled Hereford Assn. field trip and annual meeting, Hagerstown, Md., continues tomorrow.

Monday, June 5

Hunterdon County, N.J. Sheep Breeders' Assn. meeting, Jim Eckrich's Spring Meadow Farm, Church Road, Holland Twp., 8 p.m.

Pa. Meat Packers Assn. spring meeting, Seaview Club, Absecen, N.J.

Northampton Wool Pool, 7 a.m. - 12 p.m., Northampton 4-H Center.

Tuesday, June 8

Cedar Crest Young Farmers banquet, 7 p.m., Schaefferstown Fire Hall.

Wednesday, June 9

York County Beekeepers meeting, 6:30 p.m., home of Quay Minnick, 156 Main St., Red Lion.

Lebanon County Farm-City awards breakfast, 8 a.m., Quality Inn.

Thursday, June 10

Killdee Farms Holstein dispersal, 11 a.m., Guernsey Pavilion, Lancaster.

Pa. Beef Cook-off contest, Trinity High School, Shiremanstown.

Adams County Fruitgrowers meeting, 6:30 p.m., MacLott's Zepp Farm, Farm View Road, west of York Springs.

Friday, June 11

Delmarva Chicken Festival & Chicken Cooking Contest, Hog Neck Arena, Easton, Md., continues tomorrow.

PEMA meeting, 6:30 p.m., Sheraton-Conestoga, Lancaster.

Saturday, June 12

Berks Wool Pool, 7 a.m. - 3 p.m., Bollman's Hat Factory, Adamstown.

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851

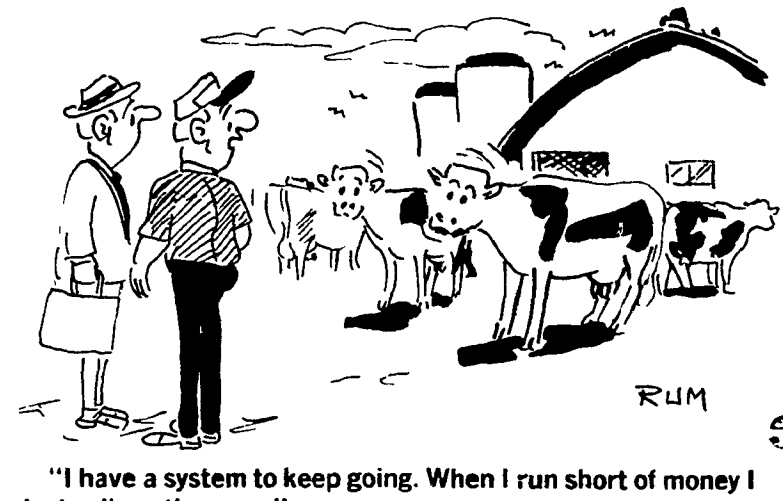
To Be Alert For The Black Cutworm

We are in the black cutworm season. Just a reminder to keep a close check on all corn fields for the next few weeks. Damage symptoms will be plants cut off just above ground level. The culprit will be hiding in the soil a few inches from the cut plant. We suggest a rescue treatment if 2-3% of the plants are cut and you can find more than 5 larvae per 100 plants.

Remember the black cutworm is the one with the granulated skin. The control materials listed in the 1982 Agronomy Guide include Lorsban or Sevin or Parathion or Penncap or Diazinon or Dylox or Toxaphene. Note Toxaphene should not be used post-emergence

(Turn to Page A-12)

HAY HAWS



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No two dairy forages are alike!
No two feeding programs are alike!

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Concentrates Designed For The "Average Herd"?

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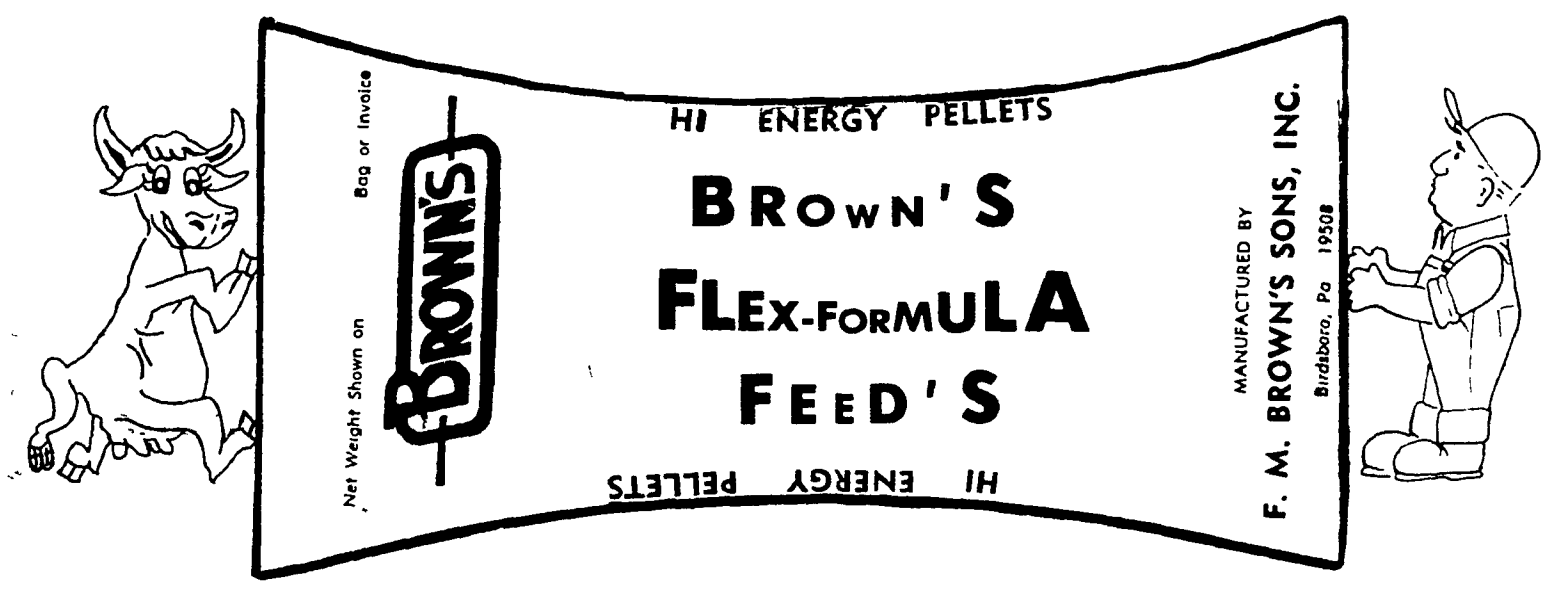

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F. M. BROWN'S SONS, Inc.

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Now is the Time

(Continued from Page A10)

on silage corn. Follow label directions for application rates.

To Manage Farm Ponds

A nice farm pond is a great asset to any property. Many farms have ponds but too many of them are neglected. A pond needs attention the same as any other area on the farm. If we want that half-acre of ground, that is covered with water, to produce a crop of fish or provide recreation and fire protection, we need to give it some attention.

The problem with algae and weeds is very common at this time of year. Many hours of pleasant swimming, boating or fishing are ruined because of the mass of algae or weeds. Numerous chemicals can be used to control these problems but first, a permit should be obtained from the Pennsylvania Fish Commission. Application blanks for this permit are available from any Extension Office or from the local Pennsylvania Waterways patrolman. A good pond requires management.

To Select Rams For 1982

Chester D. Hughes, Extension Livestock Agent, says not to wait until the last minute to purchase a ram for this year's breeding season. Now is an excellent time to be on the lookout for a ram that can improve wool production, frame size, lamb gains, or percent lamb crop.

If you start early enough, you can be more selective. Search for a ram that can improve your next lamb crop for traits most important to your situation.

You may want to increase milk production, produce polled lambs, improve post weaning gains, or improve conformation. It is important that you study your flock to determine what are your greatest needs. Consider economically important improvements over all others. This year you may consider improving carcass qualities over wool production.

Remember to select large frame, sound and healthy rams from flocks with production records. Consider performance tested rams. Try to select rams that are twins to increase percent lamb crop.

To Reduce Rural Crime

Rural crime has become a sad fact of life. Most facts and figures that we read indicate an increase in rural crime. There are many things you can do to "make crime more trouble than it's worth." That would include installing and using locks, bringing your equipment inside, or putting it in a well lighted area at night. Also, do not keep heading chutes near gates. One of the most important things you can do is to establish "crime watch" with your neighbors

You also may be able to borrow an engraving tool from your local police department to mark your equipment with your driver's license number. Be sure to add DLPA then your number. These letters identify the number as Driver License, Pennsylvania.

Livestock market and auction news

St. Louis Cattle

Thursday, June 3
Report supplied by USDA

Receipts this week	3,900
Week Ago.	4,800
Year Ago.	4,200

Compared with last week's close, slaughter steers and heifers mostly 1.00 higher. Cows 3.00 lower Bulls 1 00 lower Slaughter supply mainly Choice and Choice and Prime 2-4 1050-1200 lbs. steers, around 35% heifers and 10% cows

SLAUGHTER STEERS. Mixed Choice and Prime 2-4 1050-1275 lbs 73 00-74.00 early, package late 72 00. Choice 2-4 950-1275 lbs. 68.00-73.00, closing 68.00-69.50. Mixed Good and Choice 2-4 900-1225 lbs. 66.50-71.00, closing 66.50-68.50. Good 2-3 900-1175 lbs. 64.00-69.00, closing 64.00-66.50. Mostly Good 2-3 1050-1650 lbs. holsteins 56.00-64 0, few closing sales 56.00-62.50 Package Mixed Good and Choice early 65.00

SLAUGHTER HEIFERS. Mixed Choice and Prime 900-1050 lbs 70 00-70.50, package 71 00 early, load 995 lbs. late 70.00 Choice 2-4 900-1050 lbs. 66.00-70.00, closing 66.00-68.00, 800-900 lbs. closing 62 00-64.00. Mixed Good and Choice 2-4 800-1000 lbs 63.00-68 50, closing 63.00-66.00. Good 2-3 750-950 lbs 60.50-66.00, closing 60.50-63.00.

COWS: Closing weeks sales. Utility and Commercial 2-4 37 00-41.00. Boning Utility 1-2 41.00-43 00 Cutter 1-2 36.00-40.00. Canner and Low Cutter 1-2 32.00-36.00.

BULLS: Yield Grade 1-2 1050-2200 lbs. 46 00-62.00, closing sales 46 00-51 00. Few Yield Grade 1 53.00-53 25.

FEEDERS: (Including around 1,500 at the regular Thursday Auction.) Feeder Steers 1.00-2.00 lower. Feeder Heifers 1.00-4 00 lower, mostly 2.00-3.00 lower. Overall quality not near as attractive as past several weeks, due to a substantial increase in the percentage of Medium Frame Mixed 1-2 400-600 lb Steers and Heifers

FEEDER STEERS. Medium Frame 1: Limited volume 450-600 lbs. 67.75-70.25, fews lots 600-625 lbs. 67.00-69.00; 700-900 lbs 63 25-64.75. Medium Frame 1-2; several lots 300-500 lbs. 64.50-69.00; 500-600 lbs. 64.00-66.50 Large Frame 2 Holsteins: Several lots 350-800 lbs 55.00-58.00; lot 350 lbs. 60.50; couple lots 1000-1025 lbs. 53.00-53.25.

BULLS: Medium Frame 1-2 350-550 lbs 57.50-65.25, mostly 61.00-64.00

FEEDER HEIFERS: Medium Frame 1: 325-500 lbs. 59.00-64.00, 500-600 lbs. 56.00-59.50; 600-725 lbs. 75.75-60.75. Medium Frame 1-2 325-600 lbs. 55.00-58.50.

OUR READERS WRITE,
AND OTHER OPINIONS

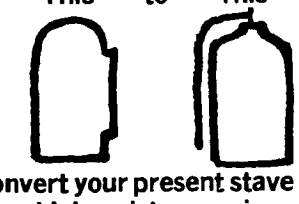
Thanks

I would like to express the appreciation of Bureau staff for the fine soil conservation articles on Bob Wagner, Aaron Stauffer and Bob Lott; the editorial on soil stewardship and the other articles on conservation in the May 15, 1982 issue of Lancaster Farming. As usual, the stories were interesting and had an important message

Too frequently establishing conservation practices is viewed as an activity that can be put off for another year Your efforts in noting the need for and urgency of sound conservation practices were timely and most effective.

Richard D. VanNoy
Acting Director
Bureau of Soil and Water Conservation
Dept. of Environmental Resources

CONVERT IT
from
This to This



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Call the New York Beef Cattlemen's Association
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If you have cattle for sale list them with the Market Exchange.
Helen Patton, coordinator
607-967-7261
Market Exchange Hours
Mon., Wed., Sat. 9 a.m. - Noon
Tues., Thurs., Fri. 6 p.m. - 9 p.m.

ANNOUNCING

BRUCE HORNING FAMILY

HAMPSHIRE & SUFFOLK

DISPERSAL SALE

JUNE 19, 1982

1:00 pm

BEDFORD FAIRGROUNDS – BEDFORD, PA.

Selling: ★46 - Hampshire Brood Ewes ★75 - Suffolk Brood Ewes
★16 - Hampshire Ewe Lambs ★61 - Suffolk Ewe Lambs
★ 3 - Hampshire Ram Lambs ★ 7 - Suffolk Ram Lambs
2-Suffolk Stud Rams

Why we are selling- DUE TO A CHANGE IN OUR FARMING ENTERPRISES, WE ARE REGRETFULLY FORCED TO LIQUIDATE OUR ENTIRE SHEEP PROGRAM. YOU WILL BE ABLE TO SELECT FROM OUR ENTIRE HAMPSHIRE AND SUFFOLK FLOCKS. NO SHEEP WILL BE RETAINED OR SOLD BEFORE THE SALE.

What we offer you- OUR FLOCK HAS BEEN BASED ON TOP INDIVIDUALS FROM LEADING FLOCKS ACROSS THE COUNTRY. TOP GOALS AND SUPERIOR GENETIC SELECTION HAVE BEEN EMPHASIZED. ALL CULL EWES HAVE BEEN ELIMINATED, TO INSURE YOUR INVESTMENTS. EXCELLENT OPPORTUNITY FOR THE COMMERCIAL, PUREBRED, AND NEW BREEDER.

Sale Managed by
BRUBAKER LIVESTOCK MARKETING B LM

Ken Brubaker
1100 W. Chester Pike, B-18
West Chester, PA 19380
215/696-5483

Charlie Strickler
Banco, Va. 22711
703/923-4266
703/923-4717

WRITE FOR CATALOGS

BRUCE HORNING FAMILY
R.D. 1
Berlin, PA 15530
814/267-3843

Livestock market and auction news

Leesport Auction

Leesport, Pa.
Wednesday, June 2
Report supplied by PDA

CATTLE 317· Compared with last Wednesday's market, slaughter steers unevenly steady Slaughter cows .25-1.00 lower Slaughter cows .25-1.00 lower Slaughter bullocks 1.00-3.00 higher Slaughter bulls 1 00-2.30 higher One High Choice slaughter steer 1365 lbs. at 74.50, Choice 1080-1215 lbs. 68.00-70.00, Good & Choice holsteins 1275-1550 lbs. 60 00-65.00, Good 61 00-68 35, Standard 55 50-60 25, few to 63.00 Few Choice slaughter heifers 62 50-64 85, few Good 58 00-60 00, few Standard 51 25-57 00, few Utility 45.00-45 75 Utility & Commercial slaughter cows 43 00-45 10, few to 46 75, Low Dressing 40.35-42 50, Cutters 41.60-43.35, Canner & Low Cutter 39.25-41 75, Shells down to 37.50. Good slaughter bullocks 58 75-62.75, few to 65 25, Standard 54 00-58.00, few Utility 52.00-52.85. Yield Grade #1 1300-1875 lbs. slaughter bulls 53 50-59.25; few yield grade #2 1050-1260 lbs. 46.75-50.75 Few Medium Frame #1 300-420 lbs. feeder steers 64 00-69.50, few Large Frame #2 765-900 lbs. 49 50-56.00. Few Large Frame #2 330-830 lbs feeder bulls 48 25-51.50.

CALVES 159 Few Choice vealers 93.00-94 00, few Good 73 00-83.00, Standard & Good 85-115 lbs 60 00-65 00, few 70-85 lbs 55 00-59 00, few Utility 55-100 lbs. 37 50-52 00. Farm calves, holstein bulls 90-125 lbs. 100 00-118.00, some down to 67 00, holstein bulls 125-155 lbs 70 00-83 00; holstein heifers 90-115 lbs 90 00-103 00

HOGS 289 Barrows & gilts 1 00-1 50 higher US No 1-2 205-235 lbs barrows & gilts 61.85-62 35, several lots 64.75, No 1-3 195-250 lbs 61 50-62.00, few No 2-3 235-285 lbs 58 75-61.85, No 1-3 160-185 lbs 56 00-58 75 Sows steady to strong US No 1-3 300-515 lbs sows 52 00-56 00, one at 56 75, few Medium 270-350 lbs 50 00-52 25 Few Boars 43 00-47.00, light weights 47 00-51 00

FEEDER PIGS 212 US No 1-3 30-55 lbs feeder pigs 120 00-137 00 cwt , No 1-3 60-65 lbs 107 00-115 00, few lots No 1-3 140-160 lbs 56 00-66 00 cwt

SHEEP 71 Choice 25-60 lbs spring slaughter lambs 81 00-90 00, 70-85 lbs 71 00-80 00, 100-110 lbs 63 00-64 00 Slaughter sheep 12 00-29 00

GOATS 54 Few Adult Goats 24 00-45 00 per head, Large kids 20 00-30 00, small kids 10 00-20 00 per head

Omaha Cattle

Thursday, June 3
Report supplied by USDA

Through midweek, Slaughter Steers and Heifers 50-1 00 higher Cows 1 00-2 00 lower Bulls steady

Buyer demand proved generally good through this holiday shortened session, as many packers had opened the week with only moderate, live inventories, and were forced to compete briskly for the available supplies This situation prompted the upward shift in live prices, belying the fact that dressed beef realizations trended 1 00-2 00 lower through Wednesday Overall finish again just fair, consequently heavier weight choice offerings continued to find the most favorable outlet

Four Day Receipts	10,176
Week Ago	11,710
Last Year	13,822

Monday markets not reported due to holiday.

Steers made up 54 pct of the week s receipts, Heifers 31 pct , Cows 11 pct; Feeders 2 pct

STEERS Earlier in week 6 loads Choice, some Prime 2-4 1200-1300 lbs 75 75-76 00 At the close, Choice 2-4 1100-1300 lbs 74 00-75 50, 1025-1100 lbs 73 00-74 50 Mixed Good and Choice 2-3 1050-1200 lbs 72 00-73 50 Good 70 00-72 00 Good and Mixed Good and Choice 2-3 1200-1350 lb Holsteins 65 00-67 00

HEIFERS Two loads Choice, few Prime mostly 3 1025-1050 lbs 74 25-74 50 Choice 2-4 950-1050 lbs 72 00-73 50, several loads 74 00 Mixed Good and Choice 2-3 900-1050 lbs 69 00-72 00 Good 66 00-69 00

Average of LS 214 detailed quotations for Choice 900-1100 lb Steers 73 25 1100-1300 lbs 74 62 Average cost Steers 73 48, average weight 1139 lbs as compared 72 93 and 1130 lbs a week ago Average cost Heifers 71 37, average weight 978 lbs as compared 70 74 and 972 lbs a week ago

COWS High Cutter, Utility and Commercial 1-3 41 00-42 00 Canner and Cutter 37 50-41 00

BULLS 1-2 1100-1800 lbs , through midweek 48 00-52 00

Belleville Livestock

Belleville, Pa.
Wednesday, June 2
Report supplied by PDA

CATTLE 75 Compared with last Thursday's market, slaughter cows weak, mostly 1 00-2 00 lower Few Good slaughter steers 59 85-62 50, few Standard 52 00-58 25 Couple Standard slaughter heifers 56 25 & 58 75 Utility & Commercial slaughter cows 41 00-44 85, couple 52 00, Cutters 38 75-40 50, Canner & Low Cutters 36 00-38 85, Shells down to 31 50 Few Yield Grade #1, 1370-1770 lbs slaughter bulls 51 00-52 00

CALVES 135 Individual Good vealer at 79 00, Standard and Good 70-100 lbs 54 00-61 00, few Utility 50-80 lbs 40 00-53.00 Farm Calves Hol Bulls 90-130 lbs 62.00-121 00, mostly 90 00-119 00, few Hol Heifers 85-100 lbs 67 00-77 00

HOGS 142 Barrows and gilts 75-1 25 higher US No 1-2 210-220 lbs barrows and gilts 61 50-62 60, No 1-3 200-260 lbs 59 75-61 75 Few US No 2-3 425-835 lbs sows 42 00-49 25 Few Boars 40 00-45 75

FEEDER PIGS 264 US No 1-3 20-35 lbs feeder pigs 32 00-43 00 per head, No. 1-3 35-50 lbs 40 00-52 00, No 1-3 50-70 lbs 50 00-59 00 per head

SHEEP 26· Few Choice 75-95 lbs spring slaughter lambs 67 00-71 00 Slaughter ewes 16 00-22 50 HOLSTEIN DAIRY COWS $630 00-$1010 00 per head, individual $1325

St. Louis Sheep

Thursday, June 3

Wednesday's sheep auction Receipts about 400 head Compared last Wednesday, spring slaughter lambs 5 00-6 00 lower, instances 8 00-9 00 lower on weights under 100 lbs Other classes scarce, prices not tested

SPRING SLAUGHTER LAMBS Choice and Prime 82-120 lbs 64 50-67 50

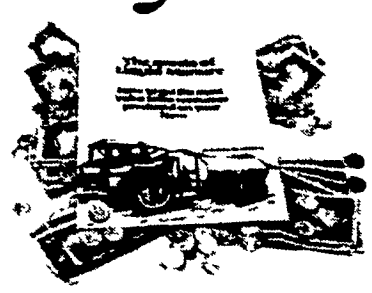
SLAUGHTER EWES Few head Utility 10 00 Few aged bucks 13 00-14 00

FEEDER LAMBS Scattered small lots and individual head Choice 70-85 lbs 45 00-50 00

STOCK EWES Lot Good with solid mouths 133 lbs 18 50

Like money in the tank

Invest in a Calumet Vacuum Tank with soil injector.



Liquid hog manure can save you several thousands of dollars in commercial fertilizer costs. That's why it pays to invest in Calumet

Pick the tank size that fits your herd—from 1180 to 4500 gallon capacities Choose from three vacuum pumps—177 CFM, 247 CFM, or 353 CFM—for fast filling Select PTO powered at 540 or 1000 RPM, or optional hydraulic motor drive

Then put those liquid assets to work with a Calumet 2- or 4-shank soil injector Injecting helps retain four times the nitrogen usually lost in surface spreading And you'll reduce odor and runoff problems

You'll get long-term dividends too Calumet tanks are engineered for years of efficient, low maintenance operation Heavy duty steel alloy tanks are epoxy-coated to resist corrosion Double reinforced A-frames and support skids add strength for heavy loads All Calumet products are backed by a 12-month warranty

So start profiting from the fertilizer produced on your farm Get a Calumet vacuum tank and soil injector It's a tank you can bank on

Look For The Right One!

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12' Better Bilt Auger Pump
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Livestock market and auction news

Oklahoma Cattle

Thursday, June 3
Report supplied by USDA

Estimated Receipts 2,200
Same Day Last Week 1,258

Trade slow; demand light. Limited sales Feeder Cattle over 500 lb. 1.00-2.00 lower; under 500 lb. scarce. Majority receipts Medium Frame 1 and Mixed 1-2 500-700 lb. Feeder Steers and Heifers.

FEEDER STEERS: Medium Frame 1 few 445-500 lb. 70.50-71.50; 600-700 lb. 63.25-65.00; 700-800 lb. 62.50-64.90; small lot 810 lb. 62.10. Medium and Large Frame Mixed 1-2 few 300-350 lb. 66 50-68.00; 575-600 lb. 63.50-64.65; 600-650 lb. 62.25-63.00; 700-800 lb. 61.90-62.80; few 800-875 lb. 61.70-62.10

Medium and Large Frame 2 package 408 lb. 64.75; few 525-700 lb. 60.70-61.00. Large Frame No. 2 Holsteins package 359 lb. 63.00; 592 lb. 59.90; 630 lb. 55.30; 800-1025 lb. 53.25-55.60.

FEEDER HEIFERS: Medium Frame 1 few 500-550 lb. 56.90-58.40; 600-700 lb. 56.60-58.50 Small Frame 1 few 500-550 lb. 55.50-55.60. Medium and Large Frame Mixed 1-2 400-450 lb. 55.80-57.10; 500-700 lb. 53.50-56.00.

FOR THE WEEK. Compared to late last week Feeder Cattle under 500 lb. scarce. Feeder Steers over 500 lb. 1.00-2.00 lower; heifers over 500 lb. 2.00-2.50 lower with some sales 3.00 lower. Slaughter cows 1.00-2.00 lower with Utility and Commercial 2-3 39.50-42.60; Cutters 1-2 37.75-39.70; Canners and Low Cutters 31.50-37.20. Bulls generally steady with the bulk sales Yield Grade 1 1300-1900 lb 50.00-55.00. Salable receipts this week totaled near 19,200 cattle compared with 22,371 head last week and 16,608 head the comparable period a year ago. Majority receipts or 91 percent of supply consisted of Feeder Cattle and Calves; Cows and Bulls comprised nine percent of salable supply.

Chambersburg Auction

Chambersburg, Pa.
Thursday, June 3
Report supplied by PDA

CATTLE. 428. Compared with last week's market: Sl steers. Choice No. 2-4, 950-1250 lbs. 67.85-70.50, Good 58.50-67 10, Standard 53.00-59.00. Sl. heifers. Choice 62.00-67.75, Good 55 00-60 25. Sl cows Utility & Commercial 43.00-46.60, Cutters 41 50-44.00; Canner & L Cutter 36.50-41.50; Shells down to 29.50. Sl. bullocks (few) Choice 54.25-57.85, (few) Good 52 50-54 75. Sl. bulls. Yield Grade No. 1 & 2 1080-2250 lbs. 45 50-52.50

FEEDER CATTLE Steers, Medium Frame No. 1, 300-750 lbs 53.00-60.00

CALVES 487. Choice 64 00-81.00, Good 58 00-65.00, Standard & Good 70-100 lbs 50.00-59.00, Utility 50-85 lbs 40 00-53 00.

FARM CALVES Hol. Bulls 90-130 lbs 60 00-117 00, few 80 00-112.00; Hol Heifers 85-150 lbs 62.00-80.00.

HOGS 27 US few lots No 1-3 230-235 lbs. at 59.10. Sows US No. 1-3 300-700 lbs. 49.50-54.00.

FEEDER PIGS 41. (few) US No 1-3 20-25 lbs 31 00-32.00, No. 1-3 30-50 lbs. 36.00-52.50.

SHEEP: 17. (few) Good & Choice 40-80 lbs. 48.00-52 00

Belknap Auction

Dayton, Pa.
Wednesday, June 2
Report supplied by PDA

CATTLE 105: Compared with last Wednesday's market, slaughter cows 1.00 lower. Few Choice slaughter steers 66.25-68.25, few Standard 50.00-58.50, couple Utility 40.00 and 46.25. One Choice slaughter heifer at 67.25, couple Good No. 5 50.00 and 55.00, couple Utility at 46.50. Utility & Commercial slaughter cows 43.00-47.25, one at 48.75, few Cutters 38.00-43.25, Canner & Low Cutter 32.00-38.00, Shells down to 26.75. One Yield Grade #1 1560 lbs. slaughter bull at 54.00. Few Medium Frame #1 500-870 lbs. feeder steers 45.50-50.00; Medium Frame #1 620-675 lbs. feeder heifers 40.00-48.00; Medium Frame #1 415-845 lbs. feeder bulls 42 00-54.00,

CALVES 71: Couple Choice vealers 84.00 and 90.00, Good 69.00-76.00, Standard & Good 90-120 lbs. 55 00-67.00, 65-85 lbs. 48.00-60.00, few Utility at 40 00. Farm calves, holstein bulls 95-120 lbs. 75.00-110.00; few holstein heifers 80-90 lbs. 63.00-70.00.

HOGS 232. Barrows & gilts 1.00-1.50 higher US No. 1-2 225-230 lbs barrows & gilts 60.00-60.90, No. 1-3 215-260 lbs. 58.00-60.00, No. 2-3 205-270 lbs. 54.75-57.75, No. 1-3 150-195 lbs. 50.00-55.75. US No. 1-3 270-695 lbs. sows 48.00-55.50, couple No 2-3 430 and 700 lbs 40 50 and 41 50 Boars 40.00-44.50

FEEDER PIGS 98: US No 1-3 15-25 lbs. feeder pigs 20.00-35.00 per head, No 1-3 25-35 lbs. 35.00-51.00, Utility 20-35 lbs. 20.00-31 00 per head.

SHEEP 37: Good & Choice 80-93 lbs. spring slaughter lambs 70.00-77.00, 2 lots Good 85 lbs. at 60.00. Slaughter ewes 13.00-18.50.

Indiana Livestock

Homer City, Pa.
Thursday, June 3
Report supplied by PDA

CATTLE: 86. Compared with last week's market. Sl. cows 1.50-2.00 lower. Sl. steers. (few) Good & Choice 60.00-64.25. Sl. heifers (few) Choice 4 & 5 53 00-58.25, Standard 46.25-50.00 Sl. cows Utility & Commercial 42.00-47.00, Cutters 38.50-42.00; Canner & L. Cutter 33.50-38.00; Shells down to 31 75. Sl. bullocks: (few) Standard 47.50-49 50. Sl. bulls. (few) Yield Grade No. 2, 975-1255 lbs. 41.00-48.00.

FEEDER CATTLE: Bulls, (few) Medium Frame No 1, 590-805 lbs. 45.25-52.00.

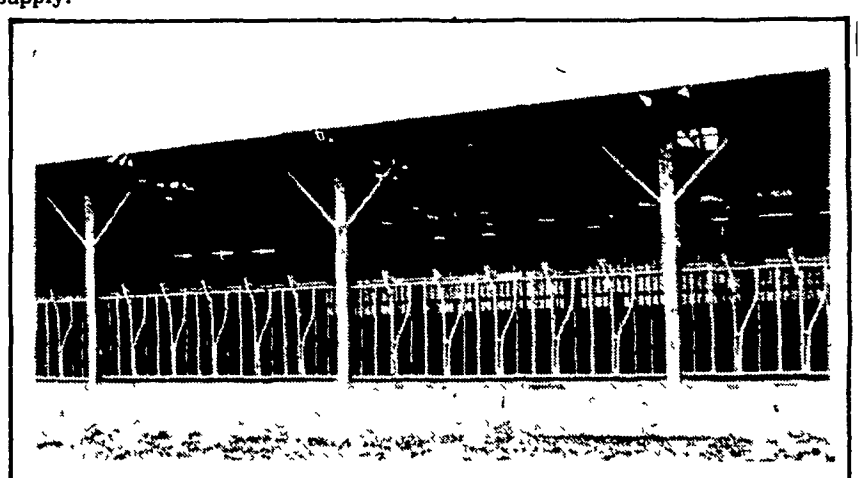
CALVES: 90. (few) Choice 76 00-84.00; (few) Good 62.00-73 00 90-125 lbs. 60.00-70.00; 70-85 lbs. 54 00-61.00.

FARM CALVES. Hol. Bulls 85-100 lbs. 64.00-80.00, 100-125 lbs 80.00-114.00; (few) Hol. Heifers 80-100 lbs. 64.00-86.00 Beef cross Bulls & Heifers 75-105 lbs. 63 00-76.00.

HOGS. 81. .50-1.00 lower. US No 1-3 210-255 lbs. 58.00-59.00, No 2-3 225-270 lbs 56.00-57.75. Sows (few) US No. 1-3 390-635 lbs 49.00-50 50, (few) No. 2-3 350-370 lbs 42 50-44 00. (few) Boars 40.00-46.50

FEEDER PIGS. 3. No report.

SHEEP. 14. (few) Choice 50 lbs at 61.00. Sl. ewes 7.00-26.00.



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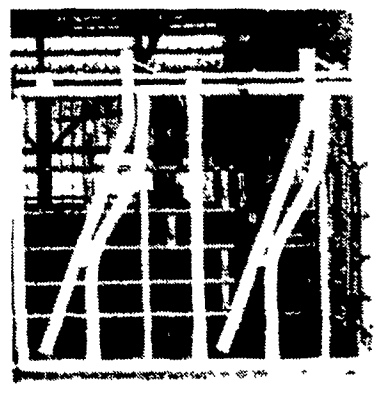

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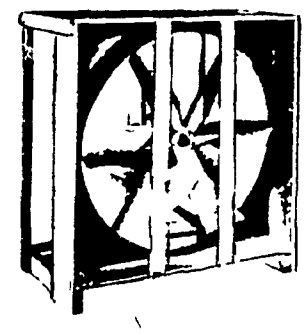

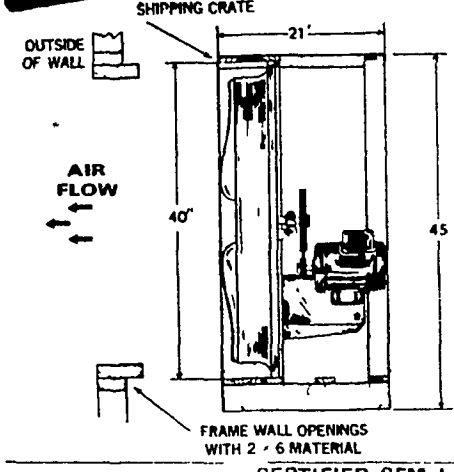

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Livestock market and auction news

Westminster Livestock Auction

Westminster, Md.
Tuesday, June 1
Report supplied by auction

BUTCHER COWS: Steady to $1 higher. High Yield few 46.00-48.00; Standard & Utility 42.00-46.00; Canners 39.00-42.00; Shelly 41.00 Down. Bulls one Good 1585 lbs. at 57.75, Medium 47.00-49.00. Steers High Choice 1050-1270 lbs. 71.00-74 75, Standard Holsteins 49.00-55.00. Heifers Choice 66.50-68.00.

BUCHTER HOGS· No top hogs offered. US #1&3 215-245 lbs 58.25-59.50; 265-300 lb 46 50-54.00; 190-200 lb 54 75-55.75. Sows 450-550 lbs 52 00-52.50, 250-450 lbs 46.00-50 50

VEAL CALVES Light Weights 2.00-4 00 lower Good 75.00-81.00. Standard 65 00-75.00, Killers 80-100 lbs. 54.00-60.00, Weak & Rough 54.00 Down.

CALVES RETURNED TO FARM $10 higher on Holstein Bulls. Holstein Heifers one 115 lbs at 99 00, few 85-95 lbs 62 00-70 00, Holstein Bulls 100-120 lbs 90 00-100.00, 70 00-95 00, Beef Type 75-110 lbs. 65 00-89 00

STOCK CATTLE Light run Steers 550-900 lb mainly 60 00-62 50 Heifers few Choice 500 lb at 53 50 Bulls few 250-350 lb 60 00-62 00, 400-700 lb 50 00-57 00

PIGS AND SHOATS $3 to $5 under last week By the head 15-30 lbs 19 00-37 00, 30-60 lbs 30 00-45 00 over 60 lb 43 00-49 00 By the Lb One lot 125 lb at 53 50 One Stock Boar 190 lbs 50.00

LAMBS Choice 95-100 lb 64 00-67 00, Good 60 00-64 00 Choice 75-90 lb 53 00-58 00, Good 48 00-53 00 Few 50-75 lbs 53 00-62 00

SHEEP 15 00-20 00

Lancaster Feeder Cattle

Friday, May 28
Report supplied by USDA

Today	464
Last Friday	295
Last Year	149

TREND Trend not comparable because of small supply last week Demand good for all classes Supply included 217 in graded sale, sold in lots of 10 or more, balance mainly in lots of 3 or less

FEEDER STEERS Medium Frame #1 Couple lots 695-925 lbs 67 00-68 35, one lot 820 lbs 64 00 Medium and Large Frame #1 Couple lots 420-440 lbs 69 75-71 35, and couple lots 770-900 lbs 59 10-63.00. Medium Frame #1-2 One lot 388 lbs 65 00, and one lot 635 lbs 61 60 Large Frame #2 (Holstein) One lot 488 lbs 54 00, and one lot 725 lbs 53 25

FEEDER HEIFERS Medium and Large Frame #1 One lot 527 lbs 52 00

Monday markets not reported due to holiday.

Pa. Auction Summary

Friday, June 4
Report supplied by PDA

CATTLE 5446 Compared with 7316 head last week, and 8072 head a year ago Compared with last week's market Slaughter steers steady to 2 00 lower, SI heifers steady to 1 00 higher, SI cows weak to 1 00 lower, SI bullocks & bulls unevenly steady SI steers High Choice & Prime 73 50-76 75, Choice 68 00-74 00, Good 59 00-69 00, Standard 53 00-60 00 SI Heifers Choice 62 50-70 50, Good 55 00-63 00; (few) Standard 51 00-58 00 SI cows Utility & Commercial 43 00-48 00, Cutters 39 00-44 00, Canner & L Cutter 35 00-41 50, Shells down to 28 00 SI bullocks Choice 58 00-64 00, Good 53 00-60 00, (few) Standard 49 00-55 00 SI bulls Yield Grade No 1, 1200-2100 lbs 51 00-55 50, (few)

(Turn to Page A16)

PFA reaches all-time high

CAMP HILL — Keith Eckel, president of the Pennsylvania Farmers' Association, has announced that 1982 membership in the voluntary, general farm organization has reached an all-time high of 23,389 farm families

"Membership strength and continued membership growth is the backbone of our organization, the Lackawanna County farm leader said For over 30 years PFA has provided a voice of authority for farmers in public affairs because of the committment of its members

This year with high interest rates, uneven farm prices and increased production costs the challenges facing agriculture and our organization appear to be greater than ever before," Eckel said

That's why this year's membership gain is so important It demonstrates the trust and confidence our members have in agriculture's future"

In addition to representing the interests of its family members in public affairs activities, PFA also provides them with information and farm-related services PFA is a grassroots organization comprised of 54 local county units It is also an affiliate of the American Farm Bureau Federation

June is dairy month

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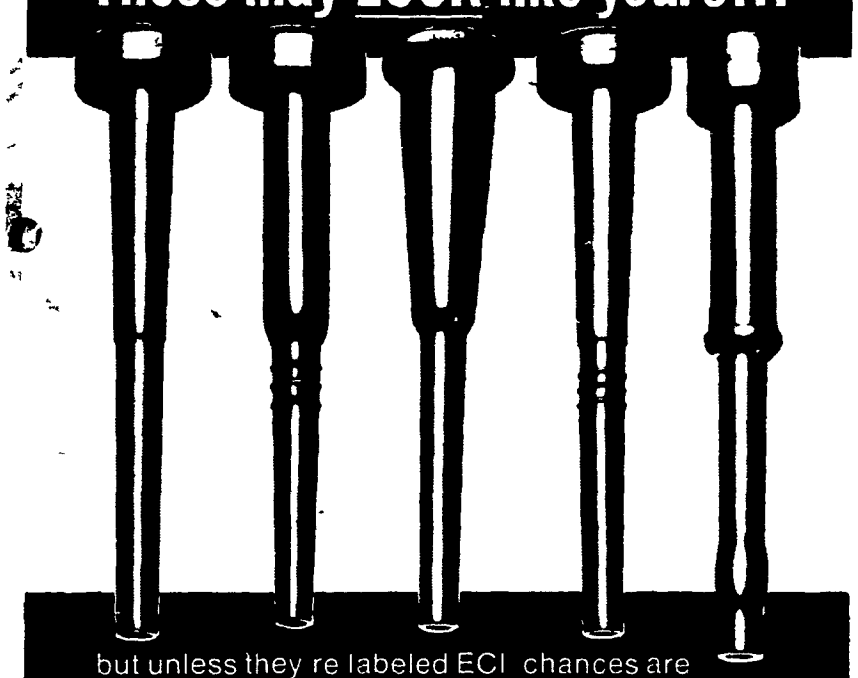

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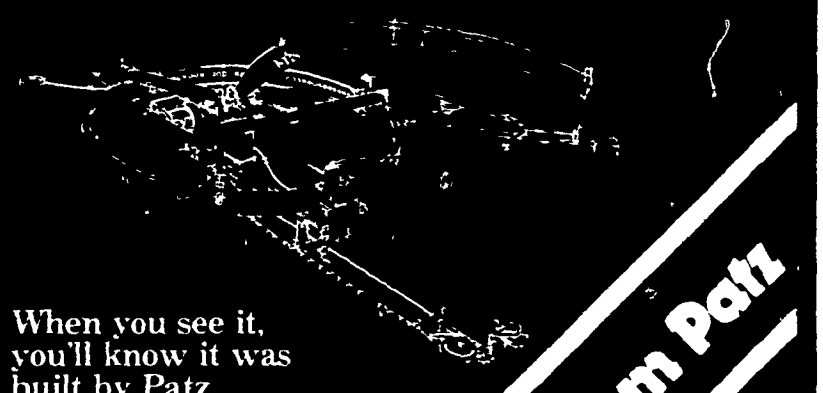

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Phone: (717) 272-0871
Your Patz Dealer For 18 Years

(Continued from Page A15)

Yield Grade No. 2, 900-1400 lbs. 46.00-52.50.

FEEDER CATTLE. Steers, Medium Frame No 1, 350-800 lbs. 50.00-64.00. Heifers, Medium Frame No. 1, 650-700 lbs. 39.00-49.00; Bulls, Medium Frame No 1, 400-800 lbs. 42.00-54.00.

CALVES: 2682. Compared with 3769 head last week and 3185 head a year ago Vealers steady to weak, spots lower. Choice 75.00-100 00, Good 65.00-85.00; 90-110 lbs. 54.00-70.00; 70-90 lbs. 48.00-60.00, Utility 50-100 lbs. 40.00-50.00.

FARM CALVES. Hol Bulls 90-130 lbs 70 00-121.00; Hol Heifers 85-140 lbs. 65.00-110.00

HOGS. 4570 Compared with 8027 head last week and 7853 head a year ago Barrows and gilts 50- 75 higher. US No 1-2 200-245 lbs 61.00-62.75 No 1-3 195-255 lbs. 58 50-61 75, No 2-3 220-280 lbs. 57.00-60 00, 190 lbs. 54.00-58 75, Sows mostly steady. US No 1-3 300-700 lbs 49 00-56.00, (few) No. 2-3 400-700 lbs 42 00-50 00. Boars 40 00-48.00.

FEEDER PIGS 910. Compared with 1262 head last week and 1798 a year ago. Steady to weak US No. 1-3 25-35 lbs. 25.00-40.00; No. 1-3 35-50 lbs. 35.00-59.00; (few) No. 1-3 50-70 lbs. 50.00-64.00.

GRADED FEEDER PIGS. 1832 Compared with 2012 head last week, and 2875 head a year ago. All sales by CWT. Feeder Pigs uneven, mostly steady to 5.00 higher. US No. 1-2 30-40 lbs 140.00-162.00, (few) 1-2 15-30 lbs. 162.00-170.00, 40-50 lbs. 125.00-144.00, 50-60 lbs 112 00-127 00, 60-70 lbs 93.00-107.00, 70-95 lbs. 78.00-90.00; US No. 2-3 25-40 lbs. 135.00-154.00, 40-50 lbs. 120.00-127.00, 50-60 lbs. 91.00-108.00.

SHEEP. 274. Compared with 1135 head last week and 778 head a year ago. Spring sl. lambs steady to weak. Choice 40-110 lbs. 60.00-78 00 Sl. ewes. 10.00-29.00.

Notice to Berks wool poolers

LEESPORT — Berks County Extension Agent Clyde Myers reports that the scheduled wool pool will be held June 12 from 7 a m to 3 p m at Bollman's Hat Factory, Adamstown, despite the buyer's current inability to obtain immediate bank financing for the purchases

According to Myers, sheep producers will receive payment from the buyer, Chester Farms of Virginia, at the latest possible date of Dec 1, 1982 The price will be 45 cents a pound for all grades.

Myers emphasizes that since the wool will not be graded, the pool will not accept tags, contaminated wool, wool tied with baler twine, wool stored in plastic feed bags, or wet wool

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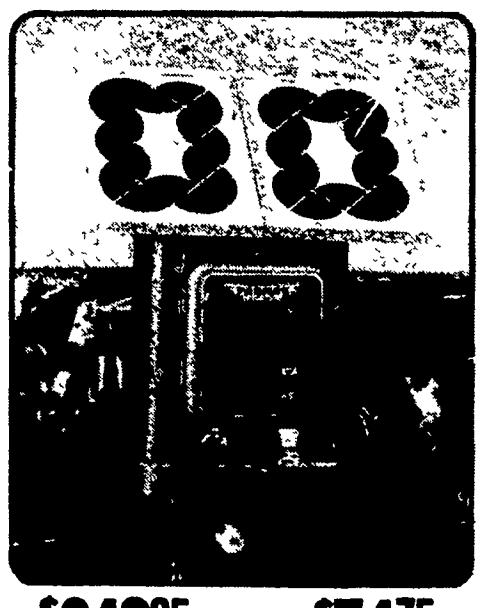

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Paid orders for 4 or more in advance — $50.00 • This seminar elsewhere has cost $35.00 each person.

Exhibit space for fuel saving equipment, supplies will be available for $35.00 per 8 ft. table. Those desiring to attend or exhibit are urged to send or phone reservations in promptly. Space is limited.

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MAY 10, 1982
OIL GLUT DISAPPEARS
Dick West
United Press International

Washington — Almost overnight, the worldwide oil glut appears to have disappeared

One day the world seemingly is swimming in a sea of petroleum. Gas stations actually are competing for customers and industry experts are predicting prices soon will hit the magic $1-a-gallon mark, this time on the way down

The next day, it's all over Gasoline prices are edging upward again and talk of an energy crisis once more is heard in the land.

* U S News & World Report May 10, 1982 "Say goodbye to falling gasoline prices Retail gasoline prices are likely to begin climbing steeply next fall."

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- More Dollars over feed cost
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★ STALL BARN FEEDING IN YOUR LOOSE HOUSING SET UP ★

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SUMMARY

Cow #	# Feed Programmed		Ration Fed To This Cow
001	20	20	A
002	10	10	A
003	3	3	A
004	25	25	B
005	17	17	A

TOTAL FEED - 00075

The cow number, feed quantity and choice of rations are entered on a keyboard The computer looks at a tag permanently fastened to the cows ID rope and will allow her to eat ½ of this each 12 hr period * At the end of each 12-hour period, the computer will record on tape the consumption of each animal programmed * Other time intervals available

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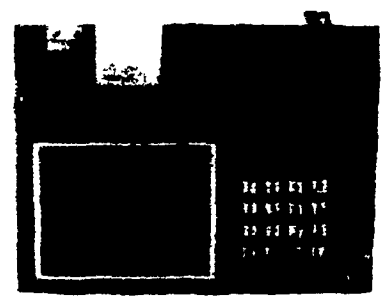

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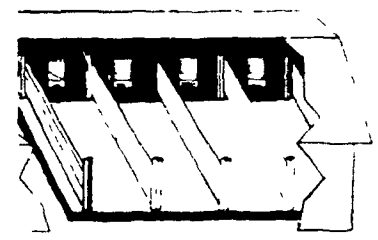
This is a completely automatic system that allows the dairyman to limit and select the concentrate fed to each cow and know how much each cow has eaten There are systems to handle high moisture or dry concentrate



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1. A feeding system that will provide the correct amount and type of concentrate.
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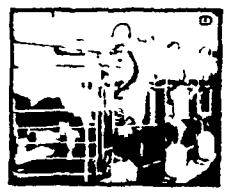

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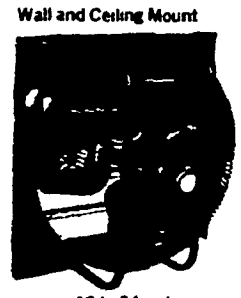

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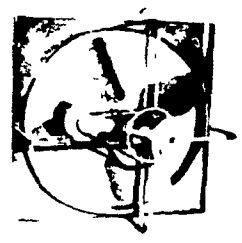

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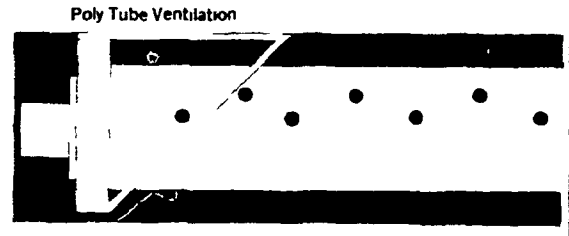

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Swine ID program moves ahead

BY DICK ANGLESTEIN

HARRISBURG — Some 1500 herd identification numbers have thus far been issued under the state's new swine health rules by the Bureau of Animal Industry, Pennsylvania Department of Agriculture.

This number represents approximately 15 percent of the estimated 10,000 to 12,000 swine producers in the Commonwealth.

"We're pretty well satisfied with the progress of the herd identification program," Dr Max Van Buskirk, of the Bureau of Animal Industry, said.

"We realized initially we would have some difficulty because of the inability to communicate directly with each of the swine farmers.

"This is the reason that application forms to apply for a number and information on the program were made available through our regional offices, county extension offices, livestock auctions and hog slaughtering operations."

Dr. Van Buskirk said the Bureau realizes that sufficient time must be given the swine industry to comply with the new identification requirement.

"We are expecting to allow six to eight weeks before starting to talk enforcement," he said.

Under the regulations, swine may not be moved within the state without proper identification. The identification can be in the form of an ear tatoo, back slap tatoo, ear tag or other device approved by the Bureau of Animal Industry.

Dr. Van Buskirk also clarified the portion of the regulations concerning the issuance of a herd ID number.

"The regulations do not specifically require the issuance of a new herd identification number, although we prefer such a system," he said.

"But the law does require that swine must be identified to permit traceback of animals."

Swine producers can use names, initials or a series of consecutive tag numbers, such as are used for cattle. But these must be recorded and approved by the Bureau of Animal Industry so that the identification used by a producer is protected.

The new ID requirements apply to feeder pigs, market hogs and breeding swine.

The regulations are an outgrowth of the pseudorabies outbreak experienced primarily in the southeastern section of the state.

The pseudorabies situation is described as "static" by Dr. Van Buskirk.

The number of quarantined herds stands at 26, including some feedlots, which are receiving the feeder pigs from the quarantined herds.

"A couple of new herds have been added in the past few months and several have been taken off the quarantine," Dr. Van Buskirk said.

"We expect that possibly half of the quarantines should be lifted within the next three to four months."

Chester Co. man is Ag Dept. counsel

HARRISBURG — John B. "Jock" Hannum, Jr., 39, of Unionville, Chester County, has been appointed Chief Counsel to the Pennsylvania Department of Agriculture, according to State Agriculture Secretary Penrose Hallowell. Hannum began his duties with the Department on June 1

As Chief Counsel, Hannum will serve as legal advisor to the Secretary of Agriculture, and will be responsible for advising the Department's staff on all legal matters including civil and criminal litigation and contracts

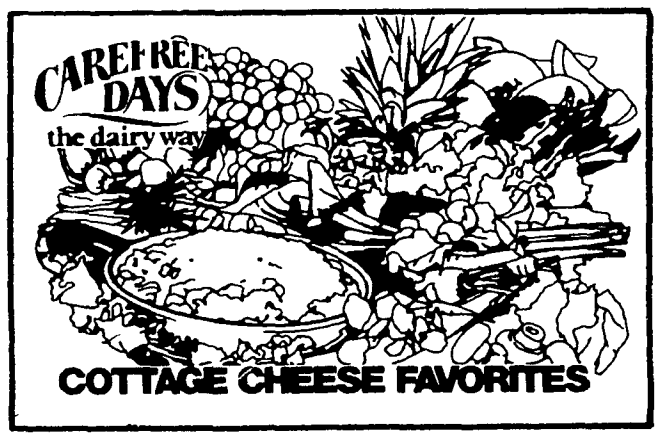
Hallowell said he was pleased that Hannum has accepted the appointment. "Jock brings a solid working knowledge of the law to this position," Hallowell said. "Having lived on a farm his entire life, he also understands the problems of our family farm community. He has demonstrated his dedication and integrity throughout his career in both public and private service."

Hannum has taken a leave of absence from the lawn firm of Lamb, Windle and McErlane in West Chester, Chester County, to take this position. He is a former assistant U.S. Attorney and former clerk to state Superior Court Judge J. Sydney Hoffman

Hannum, as a lieutenant in the U.S Marine Corps, received two Bronze Stars for valor in a combat situation during his service in South Vietnam.

He received his J.D. degree from Dickinson School of Lawn in 1973. His undergraduate work was completed at the University of Pennsylvania in 1966 where he earned a Bachelor of Science degree in Economics.

A member of the Chester County Agricultural Development Council, Hannum is also active in a number of professional, educational and community organizations. Hannum and his wife Georgianna have four children.



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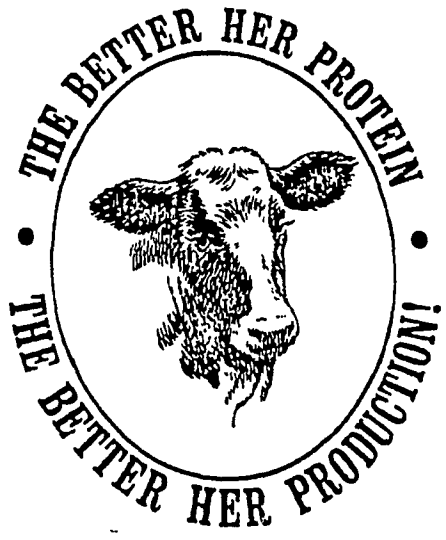

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PFU proposes dairy surplus solution

WASHINGTON, D.C. — Family dairy farmers, consumers and taxpayers all will benefit from enactment of new dairy legislation introduced recently by U.S. Representative James Oberstar of Minnesota, representatives of the Pennsylvania Farmers Union said.

"The Oberstar bill, which embodies the dairy stabilization program drafted by the National Farmers Union Dairy Task Force, will do far more to reduce the cost of the federal government's dairy price support program than the dairy program announced by the Reagan Adminstration," said M. James Brown, president of the Pennsylvania Farmers Union.

The Commonwealth's family farm organization was represented on the NFU Dairy Task Force by Jack Rynd, a dairy farmer from Crawford County and president of the Farmers Union Milk Producers Association Cooperative of western Pennsylvania.

The Oberstar-NFU Task Force plan guarantees dairy farmers 75 percent of parity on a percentage of their milk production, but heavily penalizes farmers who produce over their production goal assigned to each producer

After two years — the time during which dairy surpluses will be brought more in line with actual demand — dairy farmers nationwide would be given the opportunity to vote in a referendum whether to continue operations of the Dairy Stabilization program.

"Passage of the Oberstar bill will mean America's family dairy farmers will receive an adequate income to enable them to survive these harsh economic times which are forcing many families out of business," Brown said The Farmers Union president noted that taxpayers would benefit since the Oberstar-NFU Task Force Bill would reduced the cost of the dairy program by 1 1 billion annually. Consumers would also gain through the continued availability of adequate supplies in the future

The Pennsylvania Farmers Union has been working in conjunction with its sister organizations in other states to develop the Dairy Stabilization Act During the recent Milk Marketing referendum conducted by the state Department of Agriculture, Pennsylvania Farmers Union Pointed its opposition to the generic advertising program stating that the surplus problem was a nationwide dilemma that could not be attacked on a statewide level

We were called negative and destructive in our opposition to the milk referendum, but all along we have been working with Washington to come up with a solution to the surplus problem in the form of legislation Hopefully, our work in Washington will quiet our critics, who say we are opposed to everything." Brown said

Farmers Union charged that the Reagan Administration's dairy plan would force many dairy farmers into bankruptcy, cost the federal government more tax dollars, and ultimately mean consumers would pay higher prices when supplies of milk products became scarce

'Consumers and the American taxpaying public will not benefit if dairy legislation is passed that forces family dairy farmers off the farm and onto the nation's unemployment rolls," Brown said

Main Provisions of the Dairy Stabilization Act are

Each dairy farmer would be assigned a production base equal to his 1981 production In the event of breeding or herd problems, an adjustment would be permitted

The price of milk would be supported at 75 percent of parity, The Secretary of Agriculture would have the authority to adjust the support price after two years, but the price could not be adjusted below 75 percent

Prior to each marketing year, the secretary will establish a production goal for the coming year. He would set the percentage of each producer base that will be supported at 75 percent of parity by taking into consideration the demand of dairy products

Milk produced in excess of the production goal, but not in excess of the producer's base, will be subject to a five percent marketing assessment to be deducted at the first point of sale

Milk produced in excess of the producer s base will be subject to an additional ten percent marketing assessment to be deducted at the first point of sale

Within two years producers would have the opportunity to vote in a nationwide referendum on whether or not to continue the Dairy Stabilization Program

Prepare mechanical ventilation for summer

UNIVERSITY PARK — "If you're planning on keeping your cows in the stall barn this summer be sure you have adequate ventilation capacity to keep them comfortable," says Robert Graves, Penn State Extension agricultural engineer. Usually mechanical ventilation systems are designed for fall, winter and spring conditions. Graves says that you may need twice as much fan capacity for summer conditions than spring.

You will need adequate exhaust fans and properly located inlets. You need about 200 square inches of inlet capacity for every 1000 cubic feet per minute of exhaust fans to get a sufficent amount of air in the barn. If you have about 200 cubic feet per minute per 1000 pound cow with adequate inlets and are still not satisfied with barn conditions you may wish to add some circulating fans

Circulating fans can be used to direct air on to the cows. Number and location of these fans will be determined by your particular barn. Place the fans so that they are directed at the cows heads (along manger) or over their backs. If more than one fan is used be sure that all fans are moving air in the same direction and not fighting one another

A circular air pattern around the barn is most satisfactory according to Graves In barns with large numbers of doors and windows it may be possible to turn off all exhaust fans and use circulating fans to move air around inside the barn and depend on breezes to move air in and out of the barn. Your individual experience and observations are the best way to determine this.

Be sure that your mechanical ventilation system is in top notch running condition. All fans, housing, motors, inlets and outlets should be clean and free of dust and other foreign matter. Be sure that all automatic louvers are free to open completely and belts are tight.

Also check for items blocking fan discharges and outside inlets such as piles of junk, large machinery, weeds and trees. Be sure that all guards that protect personnel from moving fan blades or belts are in place.

June is dairy month

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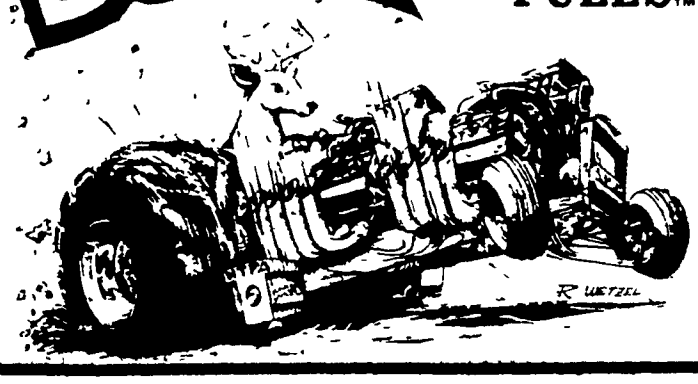
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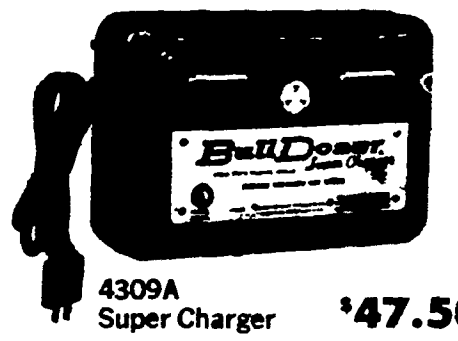
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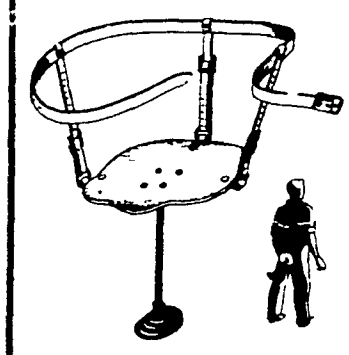
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Dairying, a job worth 1000 pictures

BY DEBBIE KOONTZ

LANCASTER — If a picture is worth a thousand words, then too shouldn't a randomly selected word conjure up about 1000 felicitous mental images?

Let's try it. Our word will be . . . dairying. (Now, really, what word were you expecting?)

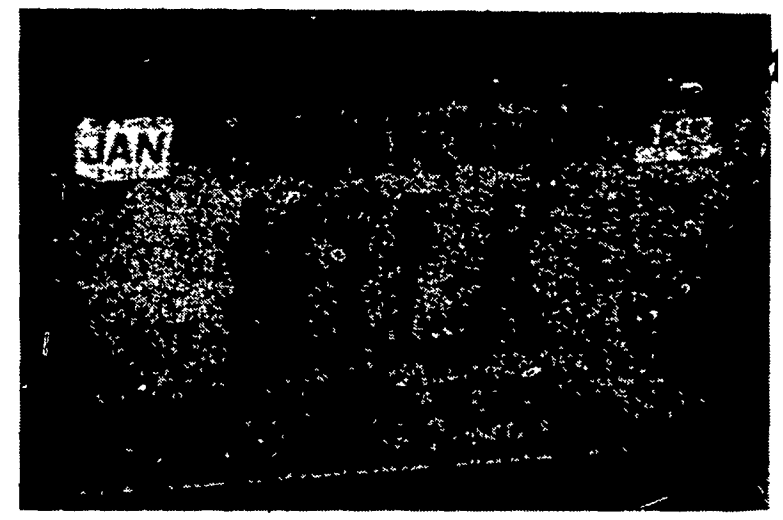
When you hear the word "dairying," what picture comes to your mind? Undoubtedly, it's the weekly coverage of dairying in **Lancaster Farming**. But, if not, maybe it's kittens snuggled around a milk bowl in a cob-webbed barn corner. It could it be a field of large bovines grazing peacefully against a pastoral setting or goats frolicking in the barnyard as their kids plan tomfoolery outside mom's sight.

Whatever the picture, if it's conjured from the word "dairying," then we're receiving it *in our dairy photo contest.*

We decided to take a look through our files of photos and see how we have depicted the dairy industry in the past. What we found is a conglomeration of humorous, most times unplanned pictures sure to provoke a chuckle in the gruffest of dairy farmers. A photographer for **Lancaster Farming** never knows what he or she will encounter on "a trip to the farm." In addition to these by-chance pictures of crazy cows, kittens, and kids, we have memories of a dog bite, a ripped pair of pants, several broken cameras, lost car keys, locked-in car keys, ruined shoes, forgotten notebooks, and flat tires.

Take a look at these unpurposed snapshots and maybe you'll get a new inspiration for your submission to the Dairy Photo Contest.

As we at **Lancaster Farming** can attess, nothing is too crazy to submit!



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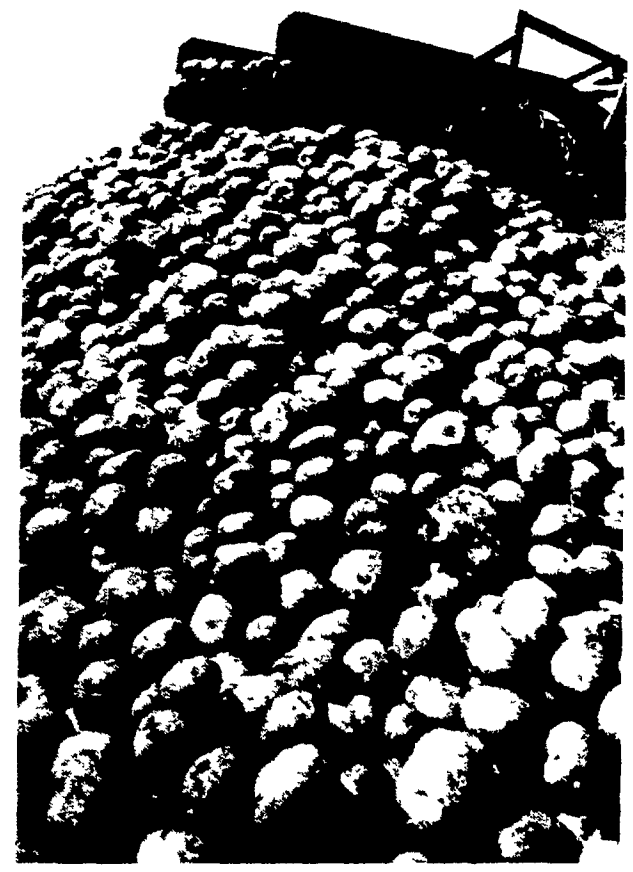


Cool chickens depend on evaporation systems to beat heat

NEWARK, Del. — Two basic evaporative cooling systems can be used to keep chickens cool during the hot weather. One uses wet pads mounted on poultry house walls. The other uses spray nozzles placed at strategic locations throughout the pen area.

The first system is more efficient; the second costs less. But according to University of Delaware Extension agricultural engineer Ernest W. Walpole, either can effectively reduce heat stress on birds. Here's how they work.

The Pad System -

Key to this approach is a water-soaked pad which is mounted on the wall. As ventilation fans exhaust air from the house, incoming air passes through the pad, evaporating the water and cooling the air.

Pads used today are built like a leaky honeycomb. The cells permit air to pass through, but because they're connected intermittently, water can flow from top to bottom of the pad. Though it absorbs moisture like a blotter, it is strong enough to stay in place and lasts for several seasons.

A sump pump with a filter distributes water along the top of the pad, usually through a perforated plastic pipe. A collecting trough at the bottom catches any excess, which is fed by way of a gravity drain back to the sump This usually has a float valve to permit automatic replacement of evaporated water. The sump should be emptied weekly while the system is in operation to prevent a buildup of salts, sediment and just plain dirt.

Due to the complexities of the water circulating system, Walpole says the pad is usually installed in one large section rather than several smaller ones. A common location is along the north wall at the west end of the poultry house. The fans are then banked at the east end of the house. Installed fan capacity is 4 to 6 cfm (cubic feet per minute) per bird, or 4 or 5 cfm for broilers. Six cfm is recommended for breeder flocks.

The pad is sized to give incoming air a velocity of 200 fpm (feet per minute) through the pad. Thus, for a 20,000 bird broiler house with 5 cfm per bird, the pad size should be: 20,000 x 5 ÷ 200 = 500 square feet, which can be 6 feet high by 84 feet long.

Water flow to the pad should be 0.15 gpm (gallons per minute) per 1,000 cfm of ventilating air, or, for this example: 20,000 x 5 x 0.15 ÷ 1,000 = 15 gpm. This is about four times as much water as will be evaporated in the Delmarva area. Extra water is needed to assure that the entire pad is soaked and that the air coming through the pad is saturated with water vapor in order to achieve maximum cooling. Since surplus water is recirculated, there's no chance for it to wet the litter.

The Spray Nozzle System

In this cooling method, spray nozzles are installed at key points throughout the pen area. Water is atomized as it passes through the nozzles and is evaporated directly into the air. The finer the droplets, the more readily evaporation occurs, says Walpole. The larger they are, the more likely they will fall to the floor and wet the litter.

The nozzles used will deliver from 1 to 2 gallons an hour. Any nozzle delivering over 2 gph will probably produce droplets that are too large for rapid vaporization. Nozzles should be located where air flow will be highest.

Nozzle systems are classed by water pressure used Some operate at normal line pressure, 35-40 psi (pounds per square inch) Others use a booster pump to raise the pressure to about 1000 psi.

Recently, very high pressure systems of 400-600 psi have been introduced The purpose of higher pressure is to produce smaller droplets. A nozzle that delivers 2 gph at 500 psi will produce a much finer spray than one delivering 2 gph at 40 psi. It will also have a much small orifice. Line filters are very important in all nozzle systems, as the small orifices are easily blocked.

Very high pressure system require plumbing pipes that can withstand the pressure developed.

In a closed house with a known ventilation rate, the theoretical cooling is exactly the same for nozzle and pad systems, says Walpole. But with a naturally ventilated house, it's impossible to predict the amount of cooling because the ventilation rate is unknown.

Consider this. In a broiler house with 3-foot side curtains open, with a side wind of 1 mile per hour (air coming in one side and going out the other at 1 mph) the ventilation rate is about 5 cfm per bird. With a 10 mph wind, the amount of water available for evaporation would not have an appreciable cooling effect on this large volume of air. The effectiveness of evaporative cooling is sometimes improved by partially closing the curtains. Fortunately, the temperature is seldom critical when there's a good breeze blowing.

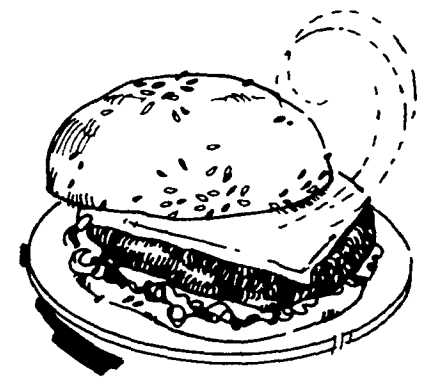
One problem with the nozzle system is adjusting water flow to a rate that permits vaporization. This is partly because of uncertain ventilation rates, but mostly because air at 100 F can hold almost twice as much water vapor as air at 85 F.

"Our recommendation is that nozzles be installed in two sets," Walpole says. "Half the water can be turned on first, say at 85 degree pen temperature. The second set can come on if pen temperature increases four or five degrees."

This can be automated with humidistats, though these are unreliable in a dusty chicken house environment. However, if an operator will clean the sensing element of the humidistat about twice a week, the system can be equipped with thermostats to turn on the water based on pen temperature, using the humidistats as safety switches to turn it off when humidity gets too high.

"Our recommendation for installed water capacity is 12 gph per 1,000 birds," Walpole says. "This should really be based on ventilation rate. If you're cooling a closed house with a known ventilation rate, we can be more precise. But with curtain houses, and normal summer operation the 12 gph figure is a good number to use." Thus, for a 20,000 bird house, you should install nozzles that will deliver 20 x 12 = 240 gph. This can be 240 nozzles at 1 gph or 120 nozzles at 2 gph, or anything in between. They should be arranged in two sets and located where the air flow is maximum, as noted above.

"We expect to see a lot of nozzle systems in use," Walpole concludes. "They're much less expensive to install and operate than the pad system. They won't be as efficient, but they'll provide 8 to 10 degrees of cooling and can prevent heat stress mortality.



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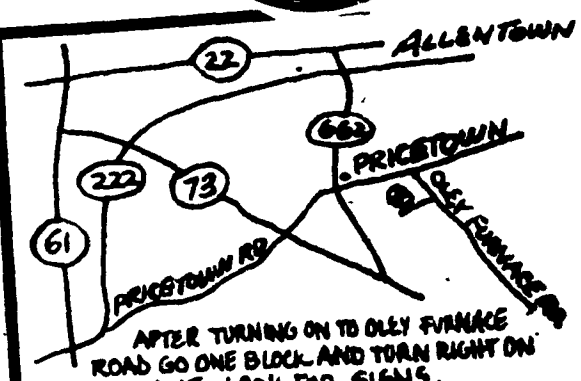

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Dealer urges swine feed trials

LANCASTER — With the recent advancements made in feed formulation, one area swine products dealer suggests Lancaster County producers run feed trials to find the rations best suited to their hog operations.

"Back in the days of simple corn-soybean meal premix rations, all kinds of feeding formulations were followed, with mixed results," said Curt Walter, swine specialist, West Willow Farmer's Association.

"But with all that is known about swine nutrition today, a producer owes it to himself to find the ration that puts weight on his hogs as efficiently as possible," he added.

"Feed costs are the largest single investment in a hog operation," he continued. "If you can cut the amount of feed it takes to bring a hog to market weight, operating costs can be cut drastically. This can add to the value of the pigs produced."

To find the best ration, Walter is urging area producers to run on-farm feeding trials. "The only way to see which ration works best in your particular situation is to test it," he said.

For the past year, West Willow Farmer's Association has been helping producers find the right rations by sponsoring a series of such tests.

"Remember, the cheapest ration is not always the best buy," Walter cautioned. "Many of the feeders who've run feeding tests found that despite their higher initial cost, high energy, amino acid balanced rations such as High Octane Hog Chows, were actually more economical. Going just by initial costs, the cheapest ration would be plain corn.

"When feed costs are figured per pound of gain and the efficiency of that gain is related to the value of the pigs sold, it's clear that such a program will ultimately return more for the feeding dollar than a supposed low cost feeding program. This even holds true in times of low grain prices," he stated.

In West Willow's most recent test a group of eighty-nine 34-lb pigs produced an average daily gain of 1.79 pounds before going off test at 214 lbs. "Feed conversion was 2.97 while they were on the program using a complete High Octane ration," explained Walter.

Walter suggested a number of steps be taken in order to insure accurate results. "The groups should be as alike as possible. In fact, litters should be divided equally in the groups rather than compared against one another This neutralizes any genetic differences."

Walter's other suggestions included: average starting weights should be alike, sex and breed ratio should be similar, pigs should be at the proper stage of growth for the rations being tested, facilities should be similar, feed and pigs should be accurately weighed - avoid estimates, use same antibiotics and additives in both feeds (and what would be used in everyday situations) and keep good records. And although always important, avoiding feed wastage takes an even greater importance in a feeding trial.

West Willow Farmer's Association is continuing to run feeding tests in their areas and are available to design feeding tests for qualified feeders. They can be contacted at 464-3386.

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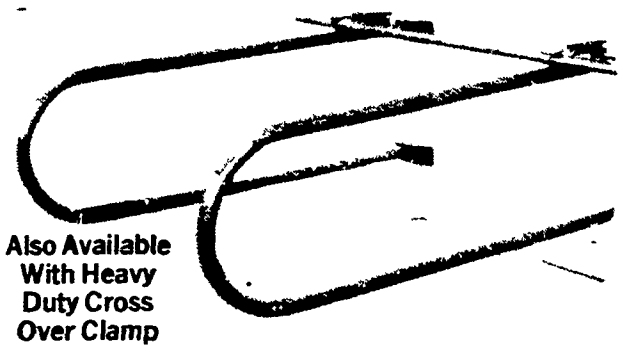

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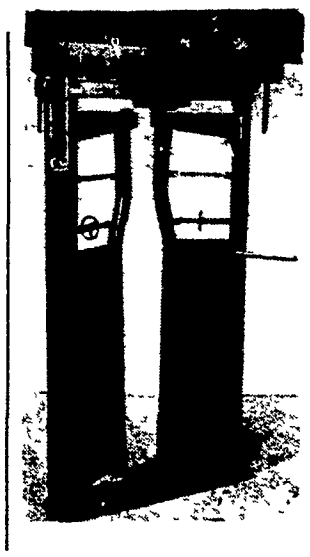

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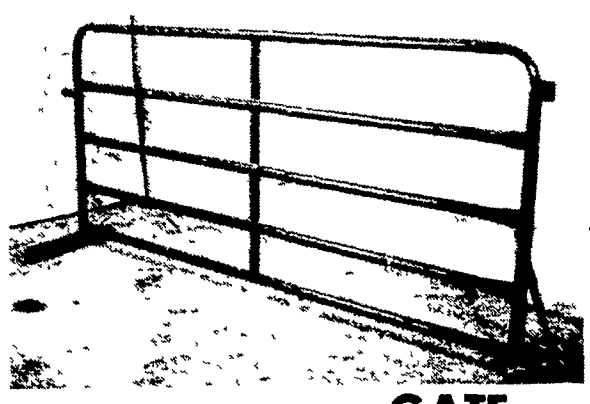

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Meeting on migrant, seasonal farm labor Aug. 18

GETTYSBURG — Migrant and seasonal farmworkers—their wages, working conditions and housing standards—will be the subject of a public meeting on Aug 18, 1982 at 7 30 p.m. in the Sheraton Inn Convention Center, Rt 15 South, Gettysburg

The meeting is being held by the U.S. Department of Labor to exchange information and comments with growers, farmworkers, crew leaders and community groups Topics will focus on laws and programs that impact on the employment of migrant and seasonal farmworkers

Growers in Pennsylvania, Delaware, Maryland, Virginia and West Virginia have been invited to take part in the meeting, according to Charles M Angell, Labor Department regional administrator for employment standards in Philadelphia Angell will chair the Aug. 18 session.

Angell said that staff will be available to answer questions about services and programs administered by the department's Employment Standards Administration, Occupational Safety and Health Administration, and Employment and Training Administration

Growers who are interested in more information about the meeting may contact John Dower, regional coordinator for farm labor, P O Box 8796, Philadelphia, Pa 19101, phone 215/596-6393

Pre-made patties are better

LANCASTER — Pre-made hamburgers served in fast food chains probably get more critical attention than those cooked at home, according to University of Missouri-Columbia nutrition specialists.

Those patty plants grind, mix, form, quick freeze and ship the patties under conditions more stringent than required by the U S Department of Agriculture.

For example, the USDA requires that a product sold as a hamburger should contain no more than 30 percent fat. But most patty plants keep fat content between 19 and 21 percent for a more desirable burger.

Furthermore, the latest technology — including computers — is used to insure a wholesome product at the least cost for the fast food chains. The computers monitor the mixing process and keep the fat content within tolerance. Also, the meat is routinely sampled for temperature and other factors affecting product quality.

After mixing, the product is fed into a patty machine that turns out 3,000 patties an hour. The patties are quick-frozen in liquid nitrogen or carbon dioxide to keep the fresh meat flavor and texture that slow freezing destroys. The patties are then boxed and shipped.

Holtzinger puts FFA work to bigger, better dairying

BY GINGER SECRIST MYERS
Staff Correspondent

HAMPTON — In 1979 Kevin Holtzinger received the Star Farmer Degree, the highest recognition given to an FFA member, for excellence in his project work. Along with that honor went considerable publicity for Holtzinger's farming endeavors at a rented farm in York County.

Now at the "ripe-old-age" of 23, Holtzinger is proving himself to be well-deserving of his earlier awards and takes a special pride in proving that today's young people are industrious, highly motivated, and indeed the hope of the future.

Holtzinger moved to Adams County in April 1981 to take over ownership of the 122-acre farm where his milking herd is housed. Presently he owns two farms, and operates 17 farms in all, with 900 acres in Adams County and 600 acres in York County. He employs five full-time and five part-time farm hands, milks 200 cows and is raising an additional 175 head of replacement heifers. In his "spare time" he does custom forage and combine work. Just four years ago this young man left his father's herd with 25 cows and 13 heifers to begin this successful expansion.

Holtzinger says being big means being better. He explains, "I always like to think big. It's more efficient if managed properly and it gives you more buying power. When I started I had a goal of 300 cows. Now, I'm not sure I'll be satisfied with that."

Holtzinger notes that he was able to take advantage of the economic trends of the late '70s, adding economic conditions today would make it nearly impossible to start again. Kevin and his father now have a limited partnership with Kevin having 100 percent management control.

According to Holtzinger, management is the key to their dairy operation. He admits he often finds himself more mentally fatigued than physically tired by the end of his day.

The young dairyman stresses that good employees are one of his greatest assets. He employs a herds woman, who, with Kevin, balances the herds' feeding programs and is in charge of the reproductive health of the herd. She also oversees the milking duties three times daily.

In addition to the herdswoman, four other women also are employed solely to milk, while two men are employed to feed the cows and care for the young stock. The cows are fed six times daily. Heifer mortality, under their supervision, is below 4 percent. Additional labor is hired to help with the crop work. Kevin's wife handles the payroll and other accounting chores. The Holtzingers employ the Pennsylvania Farmers Association's Farm Business Analysis System for their financial records.

Forages make up a large part of Holtzinger's rations to both his cows and heifers. Last year he put in 9,000 tons of forage. With only one 36x60 silo on the farm, Holtzinger decided to give Ag Bags a try. Looking like giant white sausages, 34 bags were lined up last year, each holding 180 tons of 65 percent moisture forage. Holtzinger fills them with corn silage, alfalfa haylage, barley haylage, wheat haylage, oat haylage, rye haylage, or sudangrass.

The sale of any extra forages and custom-filling bags for other farmers at the cost of $300 for the bag and $600 for filling it adds to Holtzinger's cash flow. This year he says he plans to put down at least 50 bags and bale close to 40,000 bales of hay. Holtzinger balances his feeds with particular emphasis on the energy from these forages.

Black and white, registered and grade Holsteins seem to be everywhere on the Holtzinger farm. Calves are raised in hutches where they receive a half and half mixture of whole milk and milk replacer until weaning at eight weeks. Then they're moved to a renovated heifer barn, and heifers are divided into four groups. The future milkers are fed for maximum growth so they will be big enough to breed by the time they are 13-14 months old.

"We try to get our heifers into the milking string before they are two years old. I can't justify the drain on the cash flow of feeding that heifer for those extra 60 to 90 days," says Holtzinger. All the heifers are bred artifically using American Breeders Service bulls exclusively. Heifers are mated to bulls that are plus at least 1000 pounds of milk, plus on test and type and that allow easy calving.

The service sires used on the Holtzinger's herd last year averaged plus 1,489 pounds for milk and were also plus for test and type. The cows averaged 1.6 services per calf.

Like most large, loose-housing herds, Holtzinger groups his cows according to production levels. The high and middle production group is milked three times daily at eight-hour intervals. The low production group is milked twice daily at twelve-hour intervals.

"Milking three times a day helps to save the cow's udder," Holtzinger says. "We find that we get maximum production this way with cows peaking sooner and maintaining that peak longer. I went back to twice a day milking for three weeks. But the cows really dropped off and I couldn't see taking a beating on my milk check."

Bred heifers are pre-milked, sometimes for as long as 30-45 days before calving. Holtzinger claims this helps to eliminate udder edema, acclimates the heifer to the parlor, and helps heifers to reach their production peaks sooner. According to Holtzinger, graphs of lactations curves for his two-year-olds reveals that most of his first calf heifers are milking as well on their sixth test as they did on their second test.

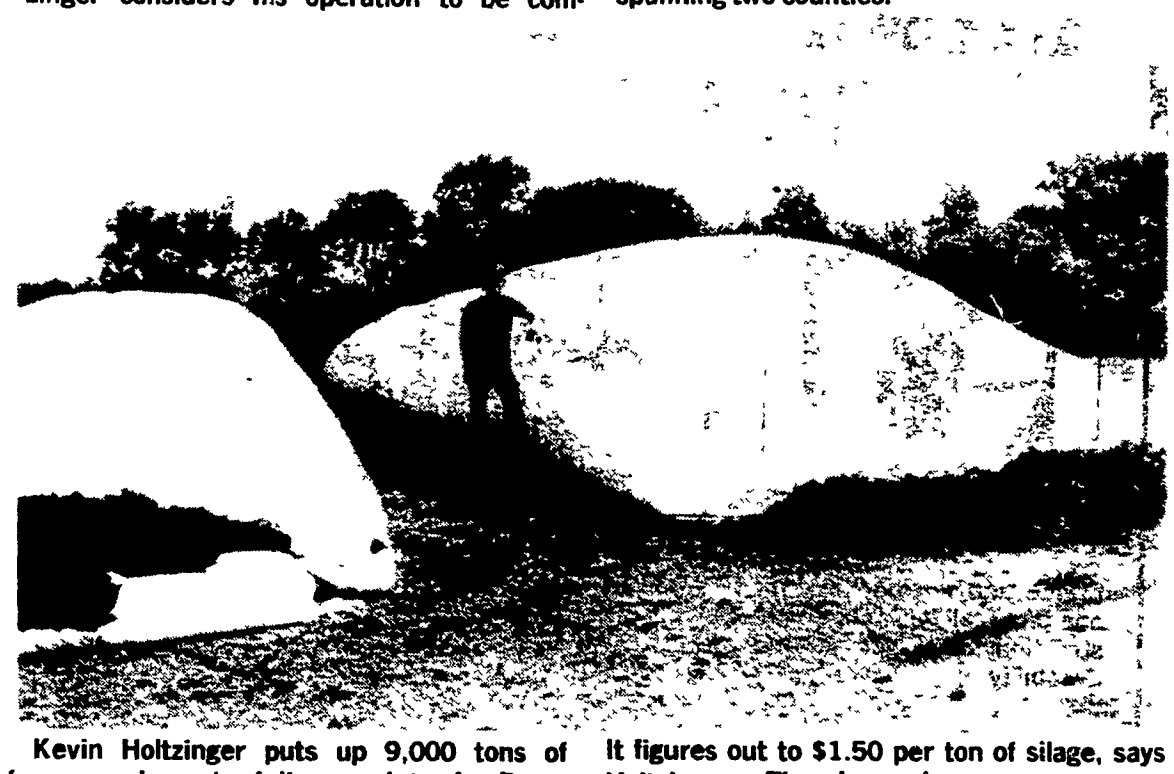
The herd is milked in a double-eight parlor with Bou-matic milkers. Each unit also is equipped with 2100 detacher units. Two people milk each "shift" and seldom does the same person milk twice in one day. The cows do not eat grain in the parlor since all grains are mixed and fed in outside bunks.

Efficiency is Holtzinger's motto. He promotes it to his employees by stressing it in their work habits. He applies it to his herd in liberal doses having culled 30 percent last year to cut cows numbers yet maintain production by bringing in better young cows. And he promotes it in his milk marketing practices by breeding his cows for a constant year-round milk supply and avoiding the spring flush. Holtzinger stated that he has not shipped a single pound of excess milk for the last six months. He maximizes the productive life of his cows by aiming for a 12-month calving interval and striving for only 305-day lactations.

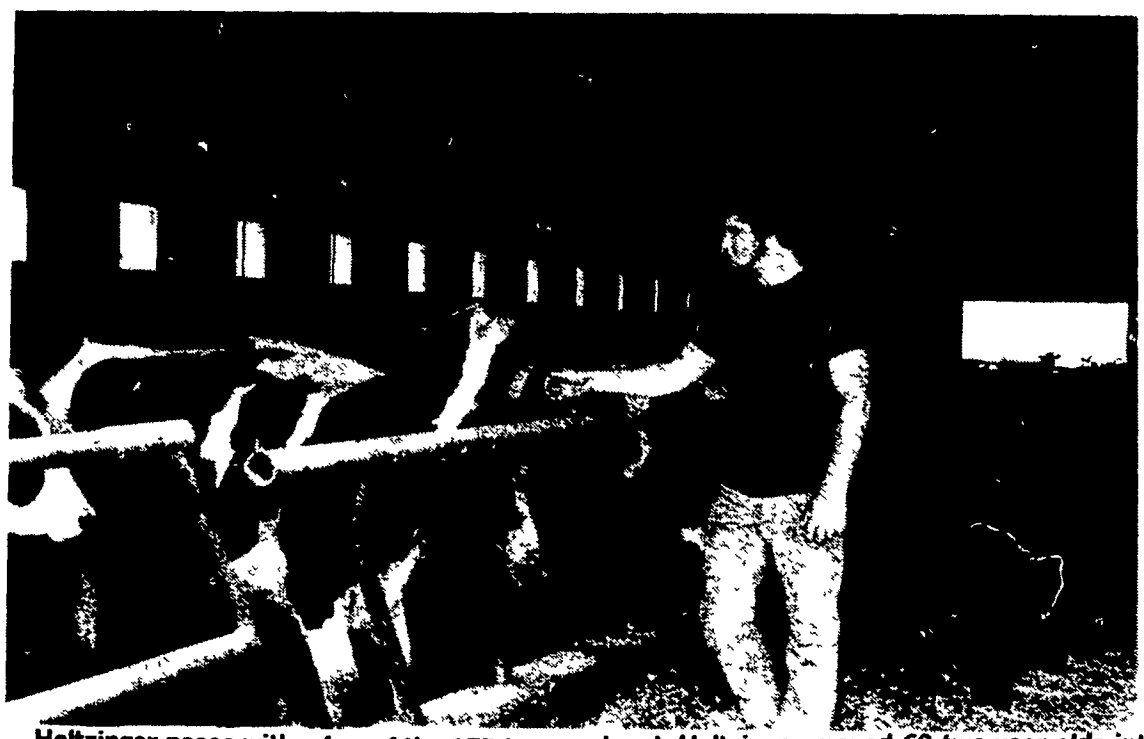
Kevin says all dairy producers would benefit if the government would encourage more utilization of Class I milk and also pursue a greater export market. "Farmers should teach the government to use agriculture as an international bargaining tool, the way the Arabs do oil," he says.

Active in Dairymen Inc. Co-op, the Holtzingers have been nominated to compete in the Young Cooperators contest to be held next month in Hershey.

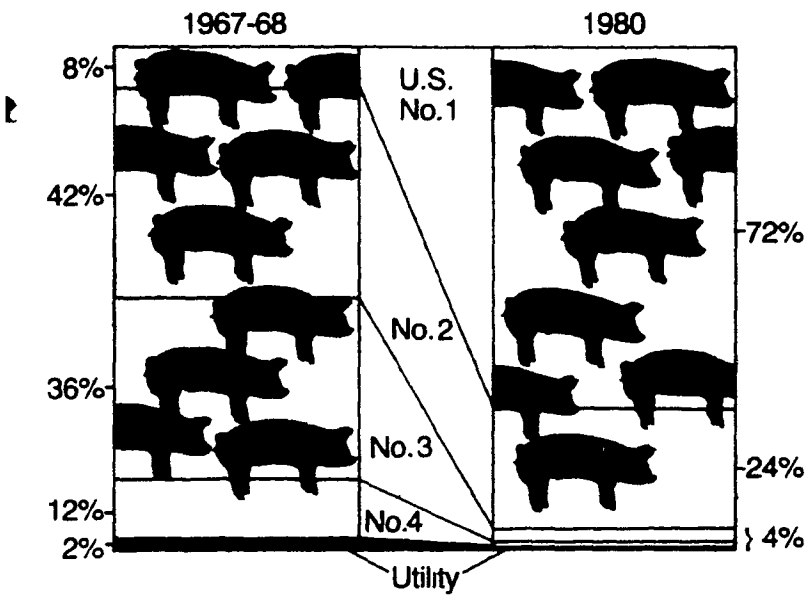
Kevin, Kathy, and 3-month-old Ashton Holtzinger pose with a family favorite in their 200 cow herd, sweet-tooth "Shirley". Holtzinger considers his operation to be commercial and breeds for increased production with improved feet and legs and sound udders. The young couple farms 17 different farms spanning two counties.



Kevin Holtzinger puts up 9,000 tons of forage and most of it goes into Ag Bags. Looking like giant white plastic sausages, the bags cost about $900 each and hold 180 tons. It figures out to $1.50 per ton of silage, says Holtzinger. The bags however, are not reusable.



Holtzinger poses with a few of the 175 head of Holstein replacement heifers that he raises for his 200 cow herd. Hoping to work up 300 head, Holtzinger moved 60 two year olds into his milking string last year and projects soon reaching a 16,000 pound herd average.



More than 70 percent of slaughter hog carcasses graded U.S. No. 1 in 1980 as compared with only 8 percent in the late 1960s.

Grade standards to be updated?

Longer, leaner hogs crowd USDA's top grades

WASHINGTON, D.C. — A longer, leaner hog is coming off U.S. producers' finishing lines.

This sleek, late-model hog has more muscle and less fat than its predecessor of the late 1960s. Most important, it delivers more lean pork to the pound. ham, loin, picnic shoulder, and Boston butt, according to the USDA's Economic Research Service.

"If producers want top dollar for their market hogs, they have to provide what packers and consumers want," says Karen Parham, an economist with USDA's economic branch

"Consumers have signaled that they don't want a fat pork chop You either trim off the fat or you produce a hog that has less fat in the first place," she adds That's exactly what U.S producers are doing, according to a recently-completed USDA study. The results show a dramatic improvement in hog carcass grades between 1968 and 1980--so dramatic, in fact, that USDA grade standards are being reviewed for possible updating

In 1968, only 8 out of 100 slaughter hog carcasses qualified for USDA's leanest, meatiest grade—U S No 1 By 1980, 72 out of 100 made the grade, says Parham In the same period, average carcass length grew by a half-inch and average backfat thickness shrunk by a quarter-inch

These findings are based on nationwide surveys About 36,000 carcasses in 62 different meat-packing plants were measured and graded by a USDA meat grader in 1980, and 57,000 carcasses in 60 plants were sampled in the late 1960s

Today, virtually all slaughter hogs are either U S No. 1 or No 2, according to the study Ninety-six percent of the 1980 sample earned one of these top two grades, while 12 years earlier half of all slaughter hogs fell into the lower grades, No 3, No 4, or Utility

How and why did such significant changes occur in such a short time span' The answer partly involves the decisions of consumers, packers, and producers. It also involves USDA's grading system, which provides uniform standards for translating decisions into actions

As consumer preferences changed, so did the demands of retailers, processors, and meat-packers. Farmers responded to these changes by improving breed and cross breeding to produce a leaner hog, Parham says

Grades serve not only as a tool for measuring change—as they did in the 1968 and 1980 surveys—but they also provide a common "language" for communicating the animal characteristics desired by consumers down the production line.

Grading is used to categorize products with similar attributes, says Russell Knister, chief of the livestock standardization branch in USDA's Agricultural Marketing Service, the agency responsible for formulating grade standards

"Their basic purpose is to communicate," Knister explains, "and their ultimate effect is to provide information for producers to improve the animals they are raising."

USDA pork carcass grades No 1 through No 4 are designed to estimate the yield of major lean meat cuts. The higher the grade, the greater the likely percentage of meat—rather than fat—in the total carcass weight. Thus grades make it possible to buy and sell pork carcasses on the basis of their worth This affects the type of animal produced

Standardized grades help packers determine value differences in the market hogs they buy and the pork they sell, Knister adds Price differentials between grades may not be as large as these value differences, but higher returns to provide an incentive to produce leaner hogs.

Live hog grades (which are parallel to hog carcass grades) also help producers adapt to changing demand patterns Grades provide a guide for choosing breeding stock and a way for producers to measure the efficiency of various production, feeding, and marketing programs by monitoring the quality of hog produced.

Grade standards were last changed in 1968 because of the progress producers had made since the early 1960s in turning out hogs with less fat and more lean.

A 1980 USDA survey shows that top-grade, lean hogs are in such

(Turn to Page A26)

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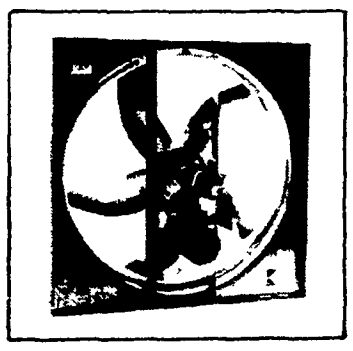

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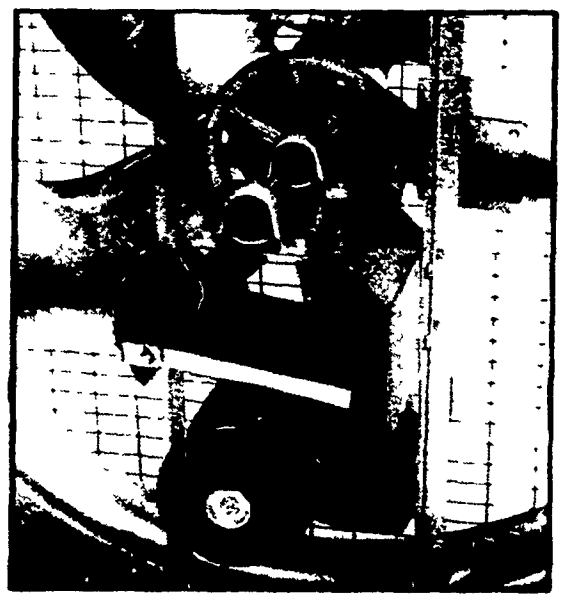

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Agronomy Field Day features small grains, forages

UNIVERSITY PARK — June 25 is the date for the annual Agronomy Field Day at Penn State's Rock Springs Agricultural Research Center, 12 miles west of State College on Route 45.

Wagon tours will feature both small grains and forage plots. Events will get underway at 9:30 a.m. and the tours will be repeated in the afternoon so farmers can see all research aspects. Included will be experiments at the nearby plots of the USDA Pasture Research Laboratory, in addition to those at the Agronomy Research Farm.

Penn State agronomists, including Pasture Lab scientists, will be available to answer questions on small grains and forages. Lynn Hoffman, superintendent of the Agronomy Research Farm, will be the day's host. Lunch will be available at the site. Heading up small grains aspects of the June 25 field day will be Harold G. Marshall, coordinator of Penn State's Center for Cereals Research.

Visitors will see recommended wheat varieties as well as two new varieties, Tyler and Auburn. Both will be added to the recommended list for 1983. Tyler was the top-yielding variety in Pennsylvania tests during 1981. It has medium plant height, very good straw strength, and resists powdery mildew.

Auburn is also a high-yielding variety with short plant height, very good straw strength, and good resistance to leaf rust and Hessian fly, Marshall pointed out.

Management studies with wheat will also be featured. Plots will demonstrate the most effective combinations of factors like seeding rate, planting depth, row spading, and level of nitrogen fertilization on extent of disease, insect, and weed problems and, of course, on grain yield and quality.

Plant pathologists will discuss the effects of various management practices on diseases—including the use of foliar fungicides and seed treatment. Certain plots will show results of using chemical growth regulators to reduce plant height and to increase straw strength.

Among spring-planted oats, the new varieties Larry, Ogle, and Porter should be of special interest. Larry and Ogle are recommended for 1982 and Porter will be added to the list for 1983. Other spring oat varieties from state and national trials will be shown.

Porter has good resistance to yellow dwarf virus, maturity similar to Garry, good straw strength and will produce a high yield of heavy, bushel weight grain, Marshall said. Porter is a relatively tall variety and should produce good yields of straw.

Small plot tests of spring barley varieties also will be featured June 25. Older varieties of spring barley have not performed well in Pennsylvania. Farmers will see the new variety Lud, which will be added to the recommended list for 1983. Lud has improved resistance to powdery mildew, good straw strength, and higher grain yield than Herta.

Certain management practices for spring oats and barley will be demonstrated. This will include timing of nitrogen application with conventional tillage. No-till planting following corn will stress the effects of row width, seeding rate, seeding depth, and rate of nitrogen fertilization.

45 apply in RCWP area

LANCASTER — Forty-five applications have been received thus far for participation in the Rural Clean Water Program in the Upper Conestoga region of northeastern Lancaster County.

In a report at the Lancaster Conservation District meeting Wednesday night, the status of the applications showed 17 plans developed and the remainder being processed.

Under the program, which features federal funds to assist farmers in the installation of conservation practices and manure systems in the area of the Upper Conestoga, a meeting is being planned to determine policy on setting cost-sharing guidelines for manure systems.

Six new cooperators representing a total of about 550 acres were approved at the meeting. A report on the use of the District's Deere no-till corn planter showed utilization on 340 acres already, an increase over use during the initial planting season last year.

Applications will be accepted until June 15 for the Youth Conservation School scheduled in August.

Thomas Johnston, District administrator who is a member of the Public Participation Committee concerning the Narvon Mine, reported that Envuro-Safe, Inc. is viewing its environmental study as favorable for use of the mine as a hazardous wastes disposal site and is expected to apply for a permit. The biggest problem concerning the site appears to be access into the mine, he said.

The Lancaster District approved submitting a bid for the hosting of the 1984 meeting of the Northeastern Area of the National Association of Conservation Districts. In a discussion of soil evaluation worksheets, it was explained that an acre of Class I land is considered the equivalent of 227 acres of Class III land in terms of agricultural productivity.

Longer hogs

(Continued from Page A25)

overwhelming proportions that many USDA and industry analysis are wondering if current grading standards are already outdated.

"We have the responsibility in AMS of keeping grades current. When the product changes, it's necessary to review the standards," Knister explains. "The standards are useful if they're telling producers what the packers need to sell pork to consumers. We have to consider whether the grades are telling anybody anything when most hogs produced today are U.S. No. 1."

Grades only specify minimum standards, leaving the top grade open-ended. Thus, some of the most signficant hog variations are not identified because such a heavy proportion are lumped together in the top grade.

Consider, for example, the expected yield of a U.S No 1 carcass. Based on the standards, yield of the four major lean meat cuts should comprise at least 53 percent of the carcass weight. These days, the average U.S. No 1 carcass yields about 59.5 percent of its weight in these four cuts, but some yield less and some more. The standards, in their current form, cannot capture the differences.

"Producers who raise leaner, meatier hogs expect to get more money for them," Knister says

Does this mean that revisions in grading standards are coming?

"A decision on whether to revise the standards will probably be made within the next 12 months," adds Knister. The first notice would be an announcement in the Federal Register calling for public comment.

Further improvements, however, may be somewhat more difficult to write into grading standards than in the past, if standards are revised. As hogs get leaner, the potential for easy revisions in the grade-determining factors becomes more limited.

The 1980 survey, for instance, showed that backfat thickness—a major grading factor—averaged only 1.2 inches for U.S. No. 1 hogs. In the late 1960s, the figure was 1 5 inches.

"We may be nearing the practical limit for backfat thickness because packers want a minimum amount of backfat to protect the lean," Parham says. "Instead, we may need to focus more on carcass length, or on a specific combination of length and weight."

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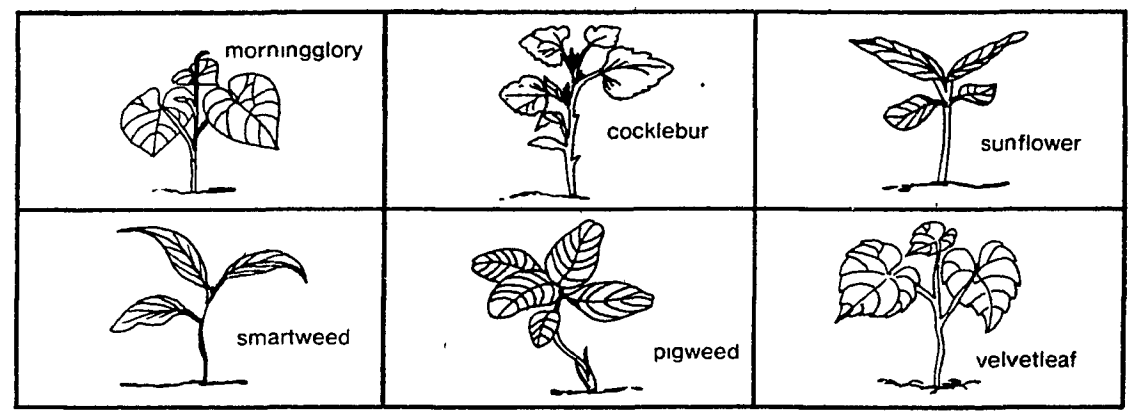

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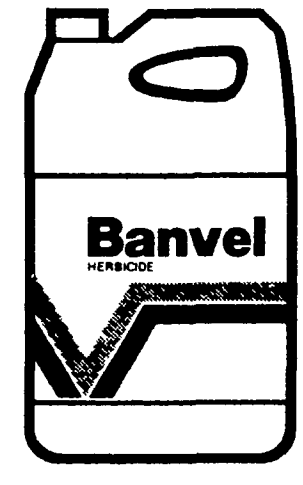

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Big step taken toward preventing coccidiosis in chickens

BELTSVILLE, Md. — A vaccine to protect chickens from coccidiosis, a disease that costs poultry producers $300 million a year, may result someday from antibodies produced in a laboratory by U.S. Department of Agriculture scientists.

Harry D. Danforth, a USDA research microbiologist, said the antibodies already have been produced at the Animal Parasitology Institute of the Beltsville Agricultural Research Center, a part of USDA's Agricultural Research Service. He said this is an important first step toward producing a vaccine.

"We don't have adequate protection from the digestive disease now," said Danforth, "but we believe a vaccine can be developed by cloning the antibodies in the laboratory for later injection into poultry."

Animals produce antibodies as a protection against specific foreign substances (antigens) such as the parasites that cause chicken coccidiosis.

Danforth said it is difficult to predict how long it will take to make a vaccine for chicken coccidiosis widely available. Antibodies against the other species of disease-causing coccidia, he said, will have to be made before a vaccine can be tested.

Microscopic parasites called coccidia cause the disease by infecting the chickens' intestines.

To make the antibodies against the coccidia, Danforth said, scientists use what is called the "hybridoma technique." With this method, spleen calls from mice are inoculated with the coccidial parasite and fused with mouse cancer cells that grow in cell culture. The resulting fused cells produce a single antibody against the disease-related coccidial parasite protein.

Danforth said ten cloned cell lines were designed to produce antibodies specifically against Eimeria tenella, the most virulent form of chicken coccidiosis.

Danforth and his colleagues currently are producing single antibodies against the several other species of chicken coccidia. These antibodies also may be used to diagnose the presence of coccidia in chickens and determine whether the chickens have developed immunity to the disease.

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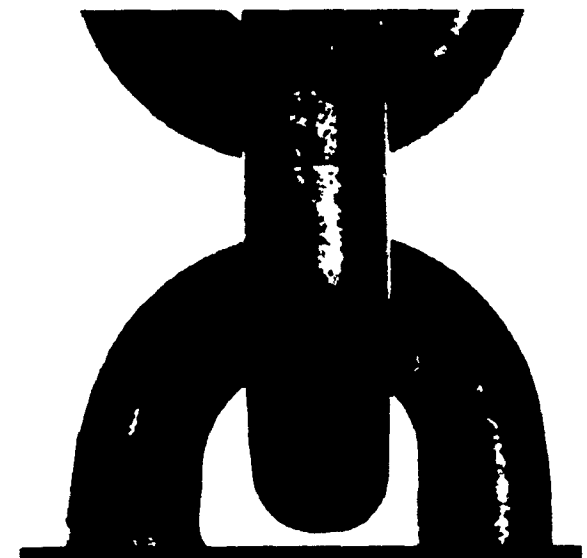

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Dauphin dairyman suggests surplus solutions

BY SALLY BAIR
Staff Correspondent

MIDDLETOWN — Tom Williams, like most dairy farmers, is concerned about the surplus milk problem. Unlike most dairy farmers, however, Tom has given serious thought to the way to put an end to the problem.

Tom explains simply, "We've got to sell a product the consumer wants." He feels strongly that minimum standards should be raised to provide a more flavorful product which will gain the consumers approval and have them coming back for more. "We need to develop and advertise a product that the consumer wants."

Advertising the product will be taken care of if the milk referendum passes as Tom hopes it will.

Improving the product is another matter, but Tom has solid evidence that increasing the solids-not-fat and the protein content can make a difference. He cites California which he says, "has the highest minimum standards in the country, the best advertising and the highest per capita consumption."

He also quotes Dick Norton of the Mid-Atlantic Milk Marketing Agency who says, "If we raise our standards of low-fat milk we would sell more." Tom claims raising the solids-not-fat of low fat milk by as little as one percent "would improve the flavor appreciably."

Tom is a Dauphin County Jersey breeder, owner of Bryncoed Farm, at Middletown, and as such meets with resistance from black and white owners who feel he is only looking out for his own interests. But he says firmly that all breeders would benefit from the improved milk.

He points out, "Jerseys and Guernseys represent just 2½ percent of all the milk produced in Pennsylvania. All the colored breeds together produce just 3½ percent of the milk. I don't care what kind of cows a farmer chooses to milk. We should all worry about selling milk. We've got to be interested in the end product. It would benefit Holstein breeders as much as anyone else."

Tom and Tiz Williams, owners of Bryncoed Jersey Farm in Dauphin County, stand high on their milk truck, posing by the Real Seal. Both proclaim that increased advertising is a must to help solve the current surplus problem.

Studying DHIA records takes some time, but Tom Williams feels it is a must to help know which cows are making money for the operation. He advocates an expanded DHIA report, including the protein testing which is coming in a few months, and a projected profit over feed cost to help know which cows to cull.

Wiliams notes that 48 percent of the milk from a tank goes to fluid milk while 52 percent goes for manufactured milk. "In the future we must price according to what we get out of the milk."

There are good reasons why companies like Borden and Kraft are no longer making their own cheese, or are finding it more profitable to make imitation cheese. They are not getting the yield out of solid milk. "They can't get cheese out of the milk we're selling them. We have to select what will make cheese plants make a profit. Not all of mine will. Some of my Jerseys test lower than Holsteins," Williams states.

As Williams sees it there are several choices for dealing with the surplus problem. One is to let every fifteenth farmer go out of business. A second choice is to have every farmer lower production by five percent. A third choice is to kill five percent of the cows. And a fourth choice is to test for protein because that's what the consumer wants, and cull accordingly.

He noted that the Dairy Herd Improvement Association will be testing for protein in the near future and including that information on the readout. He commends them for that action A firm believer in the use of DHIA records, Williams pays close attention to the profit-over-feed costs and would like them to include a projected profit-over-feed cost "If we can't make money on cows, we should get rid of them," he states flatly

Tiz believes in doing her part to solve the milk surplus. She serves milk to guests as well as generous amounts to her family. Here she pours a refreshing glass of milk for husband Tom as he sits down to lunch.

Recognizing his suggestions for milk marketing would mean more farmers will have to go on test, he nevertheless professes it will be good for everyone "A farmer could then determine which cow is paying him "

He acknowledges, "The Extension service would have to do more teaching Farmers would have to learn how to feed and select for increased protein. The amount of protein in milk varies from cow to cow, from season to season, from farm to farm and from year to year "

In those states which currently test for protein, the most popular bulls are those which test high Williams noted that the most popular American bulls in Europe are those which have high tests because of the high rate of cheese production there

Williams says with conviction, "I am not a socialist and I don't like government subsidies We need the government for some stabilization, but the freer the market the better."

What about possible reduction in the milk price supports in January? Williams replies, "If something happens in marketing between now and January it wouldn't be such a hard crunch when it comes. It would take the pressure off Secretary Block to do something."

Williams adds cooperatives should be taking more of a lead in advocating some of these changes in marketing and pricing He says, "Co-ops should do two things They should educate us farmers on what the alternatives are and then they should do what we want, as shown through the directors I don't think they are educating us as members, and directors cannot make knowledgeable decisions "

He says changes can take place either through the education of present directors, by electing new directors or simply by prodding management. While Williams is quick to make a phone call or write a letter if things are not to his liking, he realizes others do not feel comfortable doing that He does feel, however, that delegates to cooperative meetings should be prepared to take action.

While the West Coast is clearly a leader in this marketing, Williams feels the rest of the country will have to change at the same time because their marketing is so interrelated.

(Turn to Page A47)

Jerseys, Jerseys, everywhere in the barnyard outside Williams' freestall barn. Tom strolls among part of his 120 milking herd.

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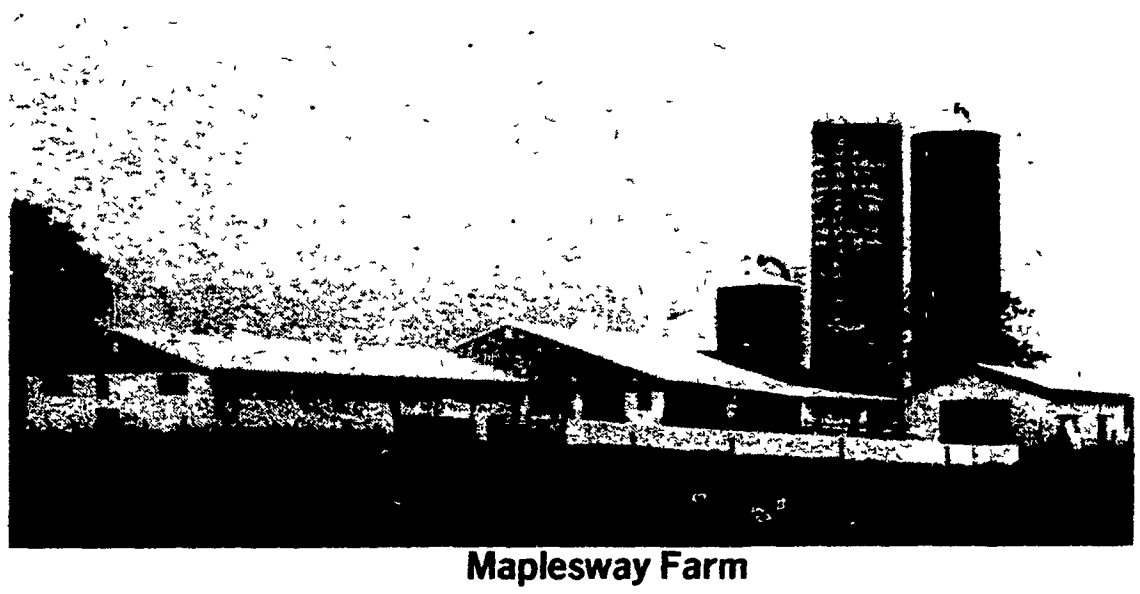

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REFRESHMENTS

SEE PAGE A-48 FOR MORE INFORMATION

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Israeli cows develop into world leaders

MOSHAY OROT, Israel — The whimsical cartoon of a loving cat and mouse with the slogan "Make Love Not War" on farmer Zvi Marks' cowshed is a little misleading.

True, Marks' love has been a prime ingredient in building a superb dairy herd, but the cattle themselves don't know much about love, since these animals, and in fact all of Israel's record-breaking dairy cattle, have been conceived by a highly sophisticated system of artificial insemination.

Although controlled artificial breeding is old hat in the dairy trade, the computerized genetic planning in use here has helped Israel achieve the highest milk production in the world. Latest figures show that Israel's cows were producing an average of approximately 7,000 (14,500 pounds), liters per year per cow in 1980.

As Israeli super-cows are becoming even more super, other countries, particularly those in the Third World, are beginning to line up to buy semen and cattle. The cattle are being exported to African and Mediterranean countries; some are turning up in Arab countries.

An agreement to sell to Egypt, Israel's new peace partner, is in the works.

COWS, COMPUTERS AND DEDICATION

How has Israel achieved such remarkable levels of milk production, in a dairy industry which was started only 50 years ago?

Zvi Marks, a dairy farmer who is a member of the Israel Dairy Board and just finished serving three years as Secretary of the Israel Cattle Breeders' Association, attributes the success to superior Black and White U.S. stock, computerized breeding and feeding, and most importantly, the energetic spirit of Jewish pioneers who settled here after statehood in 1948.

Bespectacled Marks, together with partner Dani Frank, manages a herd of 250 cattle, 100 of them milk cows, on Moshav Orot, a communal-type settlement about a half hour's drive south from Tel Aviv.

Eager to talk about dairying in Israel, Marks kicks the manure off his boots and settles down on the veranda of the pleasant house he built for himself and his family. He explains that Jewish pioneers started dairying in this part of the world around 1915 with the local Arab cow called the "Damascus."

"She was a pretty mean, scrawny and small animal, but she was resistant to local diseases," Marks recounts.

"In the 20's and 30's Israel brought in bulls from Holland. After World War II, European stock was no longer available, so it was then, when we were forced to buy American animals, that we found out they were far, far superior."

"Genetically speaking," says Marks, "we are still not better than the U.S.A. The American dairy farmer is unique and we still have lots to learn from him. Also, our average production is high because we don't have to include poorer farmers in our averages. In Israel, we only have productive dairy farmers. But in Wisconsin, there are plenty of farmers turning out 10,000 liters."

STRICT MANAGEMENT, NEW DIETS

Marks points to the sophisticated use of the computer in Israeli dairying, which enables farmers to carry out efficient milk recording." Keeping precise figures on milk production, besides being an obvious management tool, is important when selecting animals to make the next, even better generation.

Computerized feeding techniques also figure big, according to Marks. In Israel, where water, therefore grass and grain, are hard to come by, Israeli cattle have learned to love a computer-prepared menu of tomato pulp, orange peels, silage and residues from beer and cheese production. Statistics show that the industrial leftovers are agreeing with the cows, and milk quality, Marks notes, doesn't seem to suffer.

This system, says dairyman Marks, who has been in the business since 1964, is ideal because many farmers, like himself and Dani Frank, can band together in groups of 50 to 100 and share the expenses and services of the feed center near their farms where mixtures are prepared by scientific calculations for the specific needs of their cattle.

VITAL HEALTH PLAN

Another important element in the rapid growth of Israel's dairy industry is a unique "sick fund" for dairy cattle, which is owned and operated by the farmers themselves.

Yearly insurance coverage, which costs the equivalent of 100 liters of milk per cow, entitles farmers to outstanding medical care by top veterinarians.

(Turn to Page A31)

Love, not just computers, figures big in building Zvi Marks' productive dairy herd in Israel. A former Cleveland, Ohio resident, Marks' earned a degree in dairy science from Ohio State University and began dairying in Israel in 1964.

The non-grazing Israeli herds rely on balanced rations of tomato pulp, orange peels, silage and residues from beer and cheese production. Grass and grain supplies are limited because water is hard to come by.

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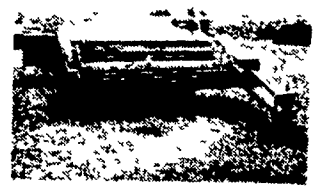
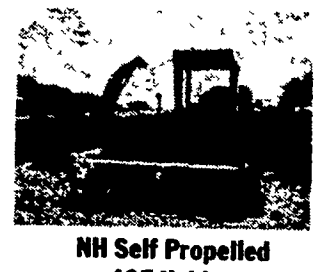
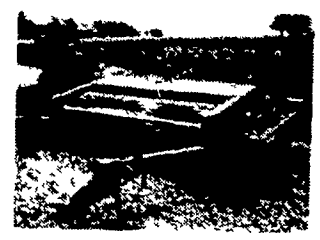


JD 1209 9' Mower Conditioner $3450



NH Self Propelled 495 Habine $4250



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Israeli cows

(Continued from Page A30)

"A farmer needing a vet here," says Marks, "doesn't think of expense with a sick cow. He calls the vet immediately."

The small size of the country and the newness of the dairy industry, Marks admits, has been a positive influence. Jewish pioneers who've never seen a cow before have been open to supervision and the teaching of new techniques. Starting from scratch, he says, can certainly have its benefits.

Zvi Marks, who grew up in Cleveland, where his father was a businessman, first came to Israel in 1956 with his wife Naomi. He fell in love with the new country, but returned to the United States for military service there; he found he was "4F" and instead invested his time in earning a degree in dairy science from Ohio State University

Armed with his new expertise, he returned to Israel and built his house, where he lives today with Naomi, five daughters, a son who currently serves in the Israel Defense Forces, and his mother-in-law.

"Dairying is a way of life that you cannot get any other way," Marks says "I don't exploit anyone and no one exploits me. And I'm in a business where I'm producing something important and basic Life can be tough here, particularly when Israeli men are off serving 40 days in the army reserve per year and the cows still have to be milked twice a day."

There is no doubt, Marks points out, that dairy cattle have become big business in Israel and all Western countries But in the world's search for food, he believes, Third World countries will and should seek to establish dairy industries

Marks offers a nourishing meal to one of several replacement heifers on his 100-cow dairy. Israeli dairy farmers began importing U.S. animals after World War II and found that they were a far superior animal than previous Holland imports.

Foundation raises funds for W. Va. Ag Center

MORGANTOWN, W. Va — A year-long, fund-raising drive opens Monday, Aug 2, for a West Virginia Agriculture and Forestry Center that will include a state agricultural hall of fame and museum. Craig M Right is president of the sponsoring group, the West Virginia Agricultural Hall of Fame Foundation.

The new building will be located near the lodge at the State 4-H Camp at Jackson's Mill, boyhood home of Confederate General Stonewall Jackson. The museum and hall of fame will be on the first floor, and a 600-seat auditorium and other meeting rooms will be on the second floor, along with offices

Some 40,000 West Virginians use the camp for training and meetings each year, and more than one-third are children

The theme of the funding campaign is "Building to preserve the past, to improve the future" Regional and county leaders are being named to schedule and arrange a variety of fund-raising events around the state Contributions will be requested from individuals as well as companies, foundations, and organizations Because the sponsors want broad public support, donations of all sizes will be sought and accepted

Twenty-eight agricultural organizations formed the West Virginia Agricultural Hall of Fame Foundation on April 30, 1974 The central group has chosen 60 West Virginia agricultural leaders to be enshrined in the new building The museum for farming will be the central one for the state, backing up satellite agricultural museums in other locations The first such museum has been established on 100 acres near Point Pleasant

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Killdee Farms readies for grand finale

BY DONNA TOMMELLEO

CHESAPEAKE, Md. — A few months ago Killdee Farms was one of few Holstein farms in the nation to breed a 1981 All-American. Five days from now, on June 10, the entire herd will be sold as the farm itself goes up on the auction block.

Farm owners Walter and Joann Drummond will be moving to Vermont due to Mrs. Drummond's ill health which will bring about an end to an 11-year success story.

Drummond's construction business, specializing in conservation practices had increased in size. Soon Drummond had to make a decision — either expand the grade dairy farm or liquidate. He opted for the former. In 1971, the Drummonds set a goal for a 100 percent registered herd and they needed the right individual to get them there.

Enter Jack Miller. In 1971, Miller was herd manager for the highly-respected Brown Swiss herd at Needmor Farm, Bohemia, Md. Miller and Drummond found common ground with a dream for a registered herd and soon the Brown Swiss herdsman found himself milking Black and Whites.

The farm, located on Maryland's Eastern Shore, was known simply as Drummond's Farm or Drummond's Construction. But it was the migratory plover-live birds, the killdeers that frequented the area, that gave Jack Miller the idea for a farm name. Hence, Killdee Farms was christened.

Under Jack's guidance, the farm underwent several facelifts. A new 30-by-80-foot silo was added for more corn silage To accommodate the extra silage, a 200-foot concrete bunker with an automatic feeder was constructed in the feed lot. A pipeline replaced bucket milkers and a small bulk tank gave way to a larger one.

And the cattle arrived.

"As money was available we bought bred heifers and cows at dispersal sales," Jack explained.

In 1975, Killdee purchased 44 registered Holsteins from Delaware breeder William Kux The Aucreek herd figured heavily into Miller's breeding program.

Two of the original Aucreek purchases Aucreek Performer Apollo Lola, 2E 94 and her dam Aucreek Ivan Performer Viola, 3E 92 have been flushed for the past three years Miller explained the aged cows won't be sold next week.

Over the years, Miller and the Drummonds have enjoyed some major wins in the show ring.

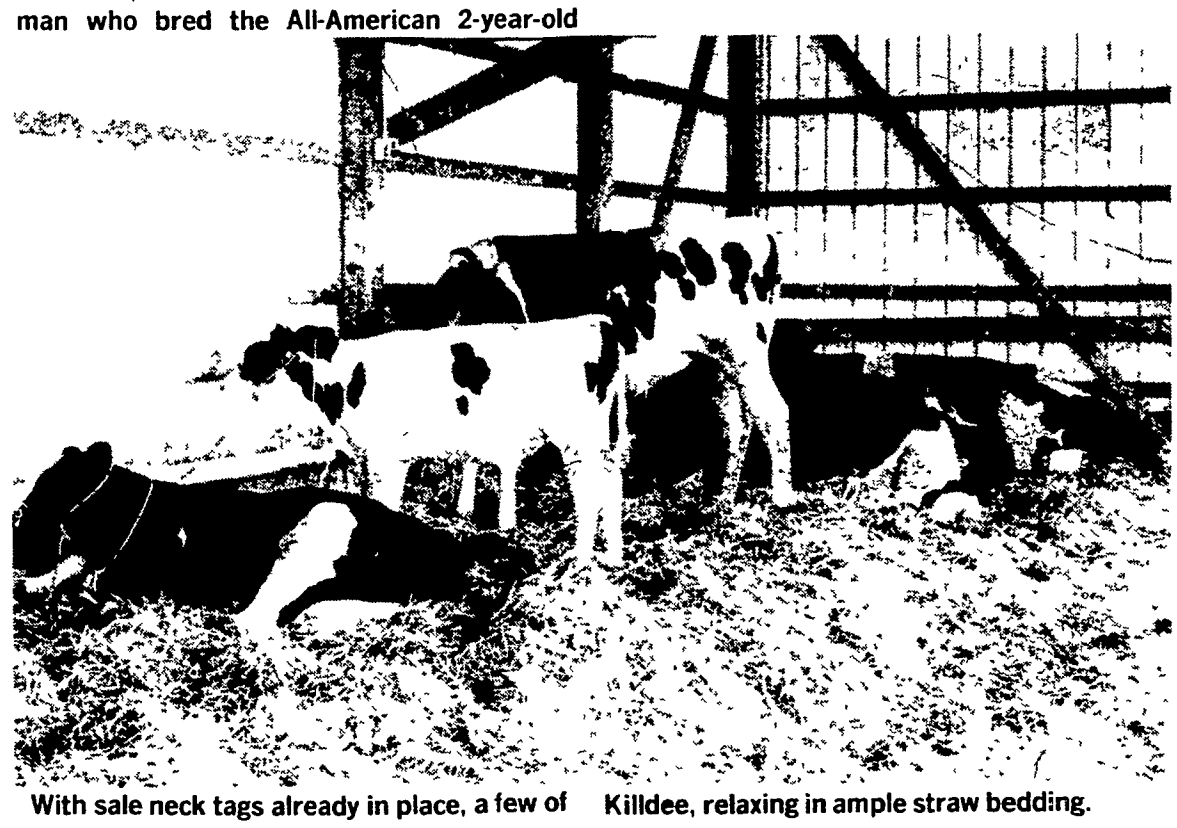
In 1976, the Lola cow won first 3-year-old and best udder in class at the Maryland State Fair. She went on to the Central National in Madison, Wisconsin where she stood fourth in her class.

Lola also won reserve all-Maryland aged cow and reserve grand champion at the Maryland State Fair in 1978. The same year, her daughter Magnet Lola finished with reserve all-Maryland senior yearling and stood third at the Eastern National.

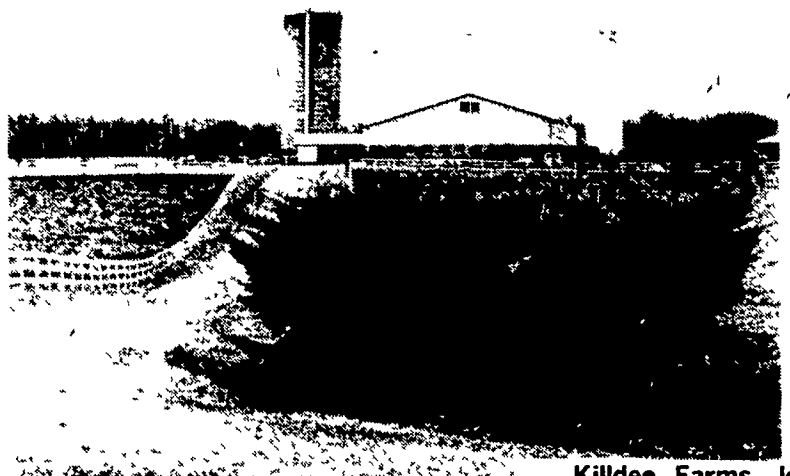
By far, the greatest milestone in the Killdee show string occured in

(Turn to Page A35)

Two outstanding members of Killdee Farms, "Bubbler," and herdsman Jack Miller, the man who bred the All-American 2-year-old pose for what may be their final picture together before next week's dispersal sale.

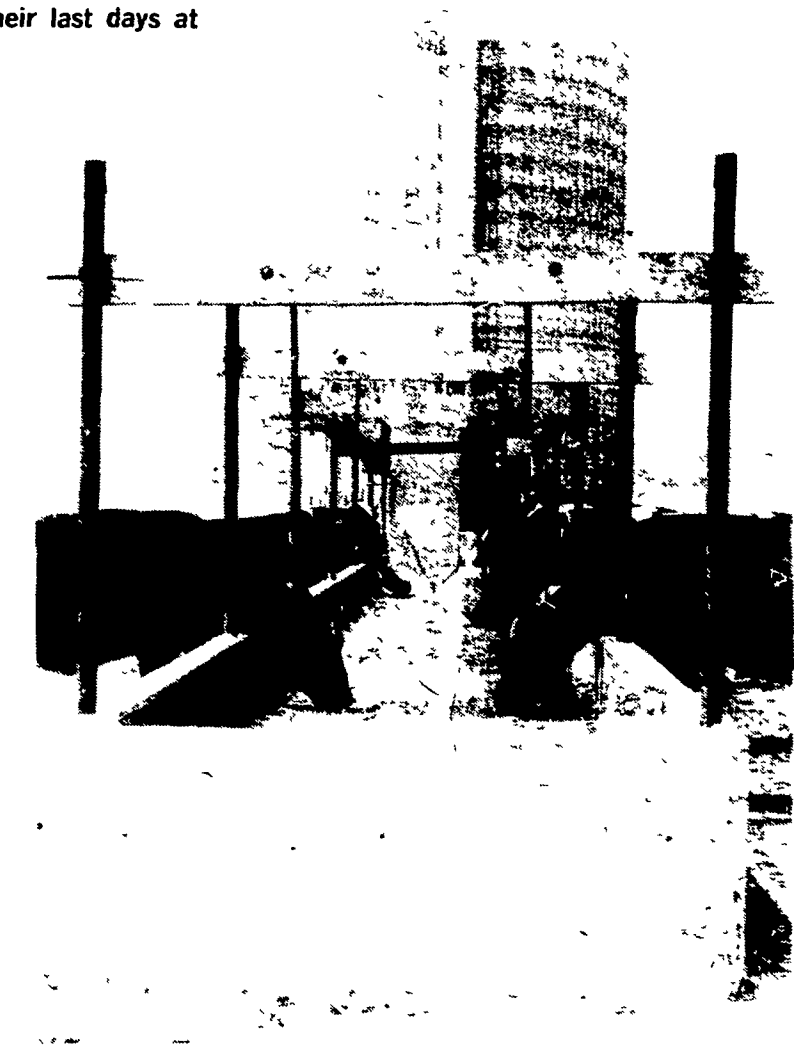


With sale neck tags already in place, a few of the Killdee animals spend their last days at Killdee, relaxing in ample straw bedding.



Killdee Farms, located near Chesapeake City, Maryland has developed one of the top registered Holstein herds in the state in just 11 years. But due to poor health of owner Joann Drummond, the farm is up for sale and the entire herd will be dispersed on June 10 at the Guernsey Pavilion in Lancaster.

All-American 2 year old Killdee I Bubbler Delight, will be selling in the Killdee dispersal. Sired by SSF Gay Ideal Buffler, the Very Good 89 Holstein is out of Killdee Astro Della Delight a Very Good Astronaut daughter.



Several Killdee Holsteins feed from the 200-foot concrete bunk. The bunk and a 30-by 80-foot silo were added to the Farm's facilities under Jack Miller's guidance.

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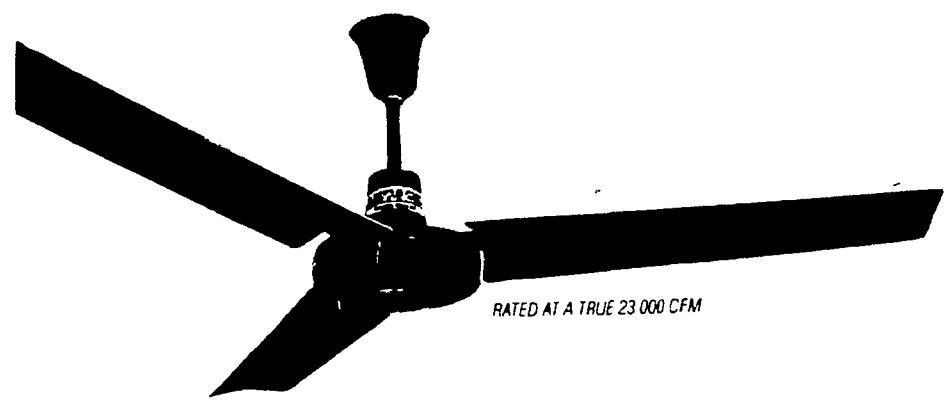

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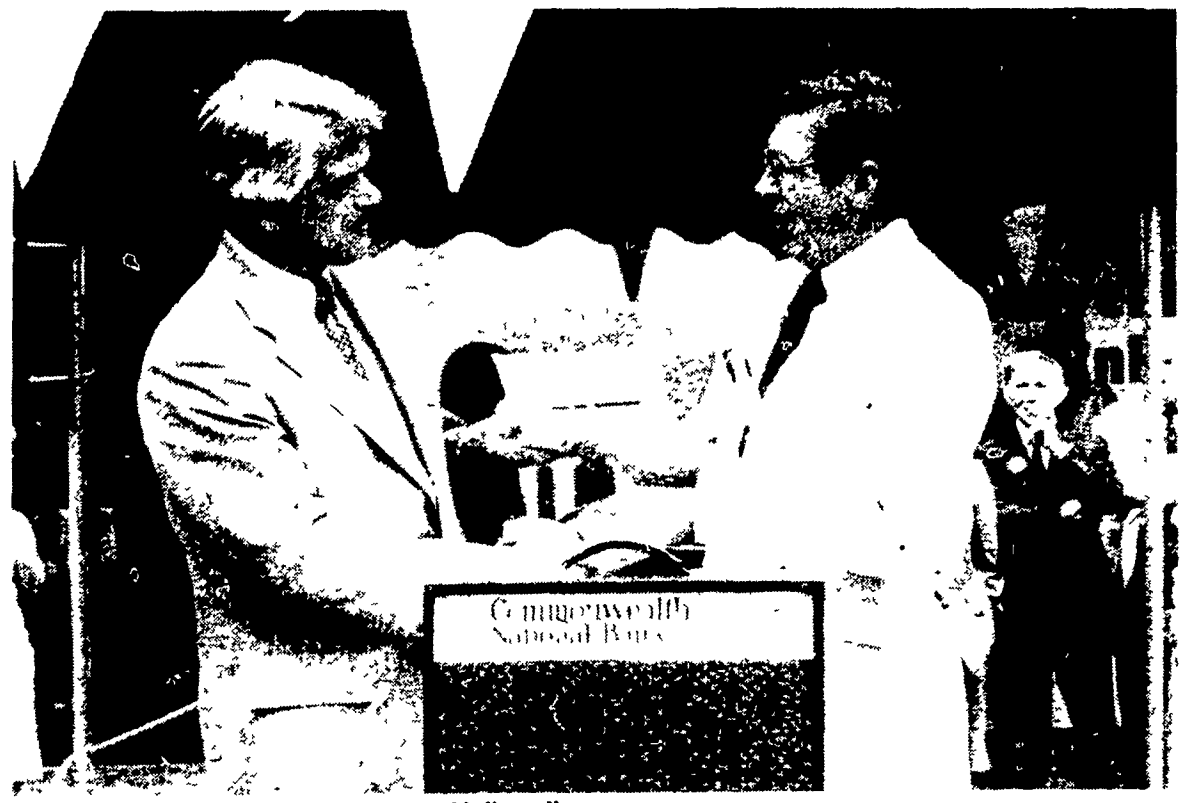
City festival kicks off dairy month

BY DEBBIE KOONTZ

LANCASTER — Penn Square in downtown Lancaster was the sight of a dairy month kick-off as Commonwealth National Bank sponsored an afternoon of festivities, Tuesday, all designed to recognize the dairy trade as the number one industry in Pennsylvania.

(Turn to Page A36)



Everybody had opportunity to taste the milk, ice cream and cheese being distributed at Tueday's festival. The official beverage seemed to be the favorite among these little tykes, especially the chocolate milk.

Agriculture Secretary Penrose Hallowell presented Commonwealth's vice president and manager of the agri-loan department, Robert Bucher, the pen which Governor Thornburgh used to sign HB1351 - the bill designating milk as Pennsylvania's official drink.

SAVINGS - Catch 'em at E.M. Herr's

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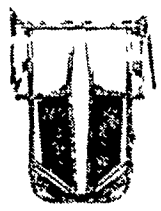

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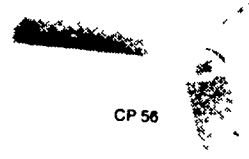

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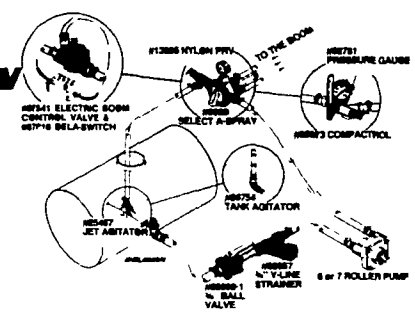

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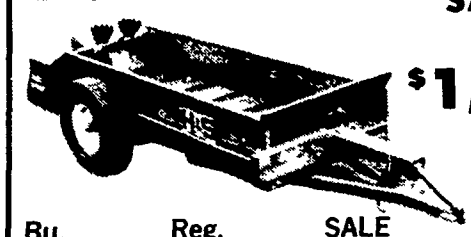

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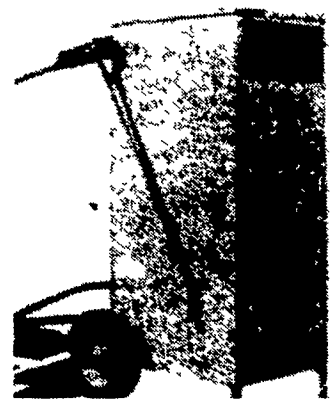

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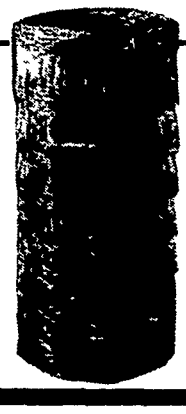

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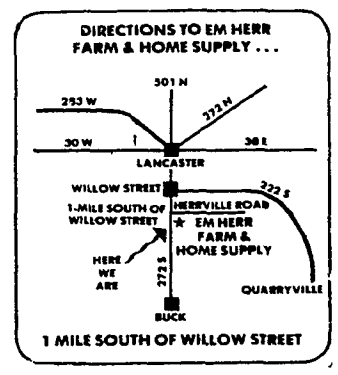

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Killdee Farms

(Continued from Page A34)

1981 when a homebred 2-year-old was named All-American.

Killdee I Bubbler Delight who scored Very Good 89 as a first calf heifer had a tremendous year on the 1981 show circuit. She stood first in the Central National 2-year-old class, placing over the two animals who stood first and second at the Eastern National.

Her dam, Killdee Astro Della Delight a Very Good 87 Astronaut was bred three times to another bull before catching to then sampling sire SSF Gay Ideal Bubbler.

The bull is a Harrisburg Gay Ideal son out of a Very Good 88 Arlinda Chief

Miller held off showing the All-American as a heifer but when she freshened with a beautiful udder, Miller knew he had a winner

"She's a long dairy animal with a beautiful udder and a perfect set of legs," Miller said. As if to prove her dairyness, Bubbler milked more than 20,000 pounds of milk on her first lactation.

The Killdee herd today is largely made up of 2 and 3-year-olds as a result of a 1979 herd dispersal that averaged $4,040 on 98 head.

For his breeding program, Miller explained he uses a variety of tools such as aAa, the Holstein Red Book and various stud catalogs The herd represents such outstanding Black and White sires as Elevation, Bubbler, Conductor and Wiseman, a Killdee-bred bull

The 60-head registered herd maintains a rolling herd average of 17,140 pounds of milk and 647 pounds of fat

Miller feeds about 30 to 36 pounds of 19 percent protein grain mix per day The grain is fed twice a day while milking in the flat stall barn

The herd has free choice silage and hay all day long in the concrete lot

The Killdee herdsman views the dairy industry as one of change

"There's always something to learn Management procedures are improving And younger and

(Turn to Page A46)

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Bob Bucher V P
Agri-Loan Dept

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"Three of our four lending officers were raised on farms No one has to tell them about rain, frost, fertilizer costs, produce prices, or fair weather lenders At Commonwealth National the commitment to farming is knowledgeable as well as serious

"In addition we strongly believe in keeping the public aware of the tremendous importance of agriculture to our local economy Maybe you heard about the five foot omelet we made last year to commemorate 'egg month " Maybe you even got a taste of it This year we set aside the month of June to honor dairy farmers In addition to a number of special events at all of our branch offices, there was our giant June 1 Dairy Day Spectacular Thousands of people came to Penn Square to see the exhibits and sample free dairy products

'Commonwealth National plans to continue with different farm product promotions such as this throughout the years

"But above all, remember, you can call us at 717-291-3036 and ask for Agri-Loan information anytime

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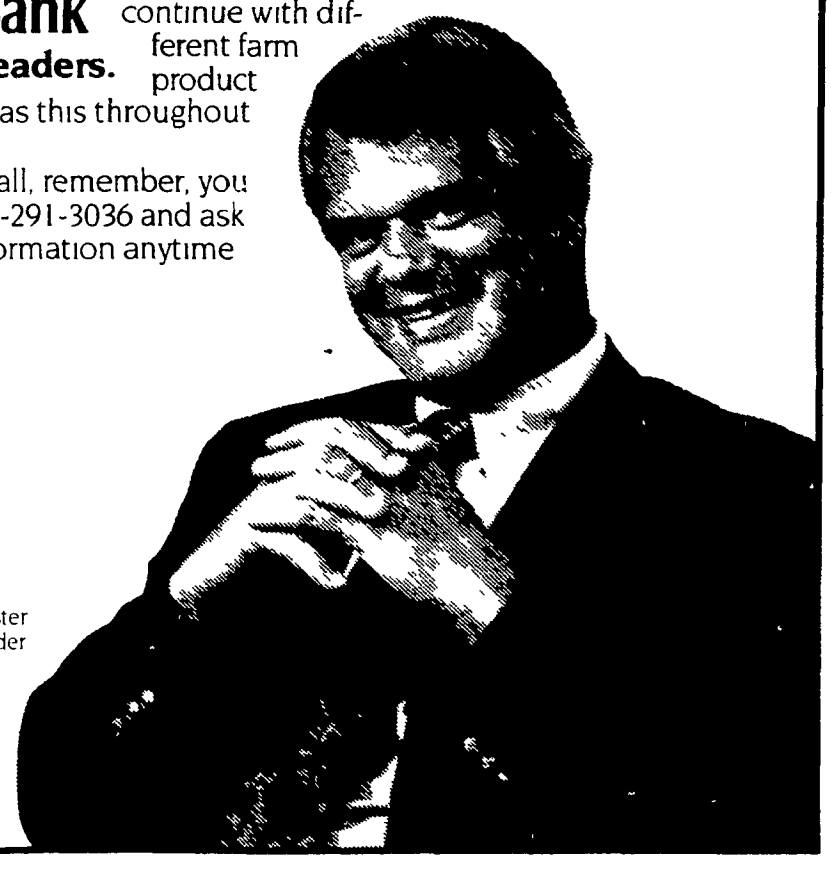

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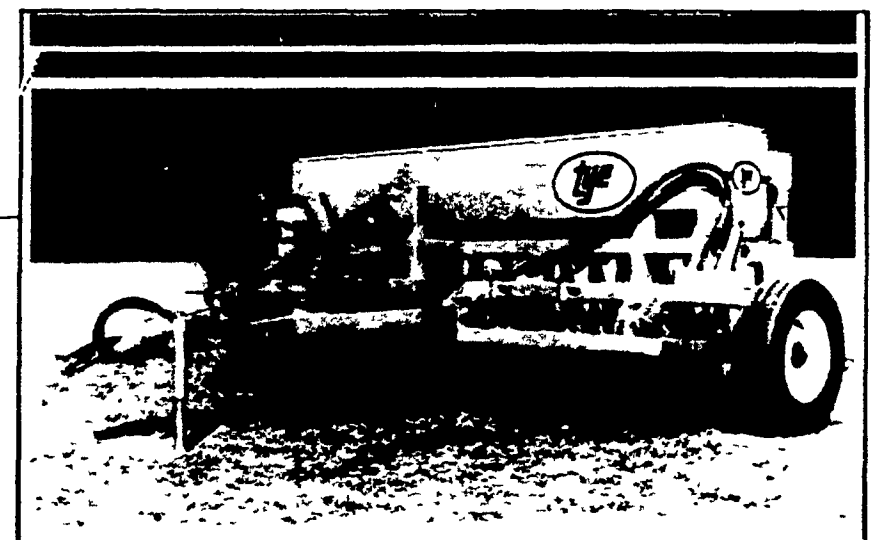

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GENSTAR

Festival kicks off dairy month

(Continued from Page A34)

Centered in the heart of the Red Rose City, the afternoon featured special guest appearances by Agriculture Secretary Penrose Hallowell, dairy princesses Charlene Rohrer (PA dairy princess), and Deb Greider (Lancaster County dairy princess), and several dignitaries from the local political and dairy sectors.

Free samples of milk, cheese and ice cream drew a crowd of thousands to the King and Queen street corners. Spectators had opportunity to pet a calf, sample dairy products, meet Connie — the pink human cow, listen to Milky the Robot expound the merits of milk, and shake hands with Secretary Hallowell and Mayor Arthur Morris.

Amidst the activities, Secretary Hallowell presented the official state pen that Governor Thornburgh used to sign HB1351 (a bill designating milk as the official beverage of Pennsylvania) to Commonwealth's Robert Bucher, vice president and manager of the agri-loan department.

Mayor Morris also had his turn at the microphone as he proclaimed June 1 through 8 as Dairy Week in the city of Lancaster.

Following this, state dairy princess Charlene Rohrer offered a toast to the dairy industry.

The small fair featured cases of milk from the Turkey Hill Mini-Market along with their two-ton, 12-foot high cow. According to Cheryl Frey, secretary from Turkey Hill, the 25 cases of milk (with 28 cartons of milk in each case) were nearly all distributed after 1 1/2 hours. Willow Valley Farms, prepared to make 1000 milk shakes, discovered the same problem. Pensupreme, on hand with their antique Pensupreme ice cream wagon, came prepared to make 5000 ice cream cones.

Three local processors offered cheese to the crowd. Included were: Zausner's Fluer de Lait, Ltd., Lancaster County Swiss Cheese Company, and Shenk's Cup Cheese Company.

Similar promotions took place at Commonwealth branch offices throughout the county this week. Still scheduled are events at Elizabethtown office, Friday, June 18, 5 to 7 p.m., and Willow Street office, Monday, June 28, 11:30 a.m. to 1:30 p.m.

Turkey Hill's two-ton, 12-foot high cow was on display along King Street for the thousands to see.

The Pensupreme antique ice cream wagon came prepared to serve 5000 ice cream cones.

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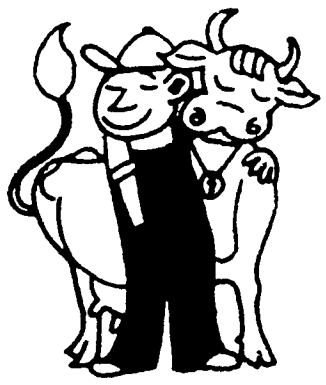

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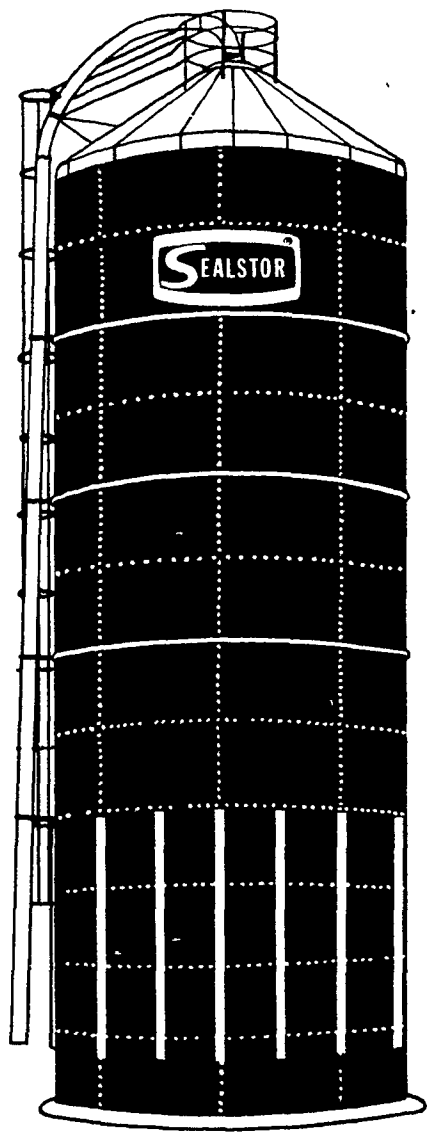

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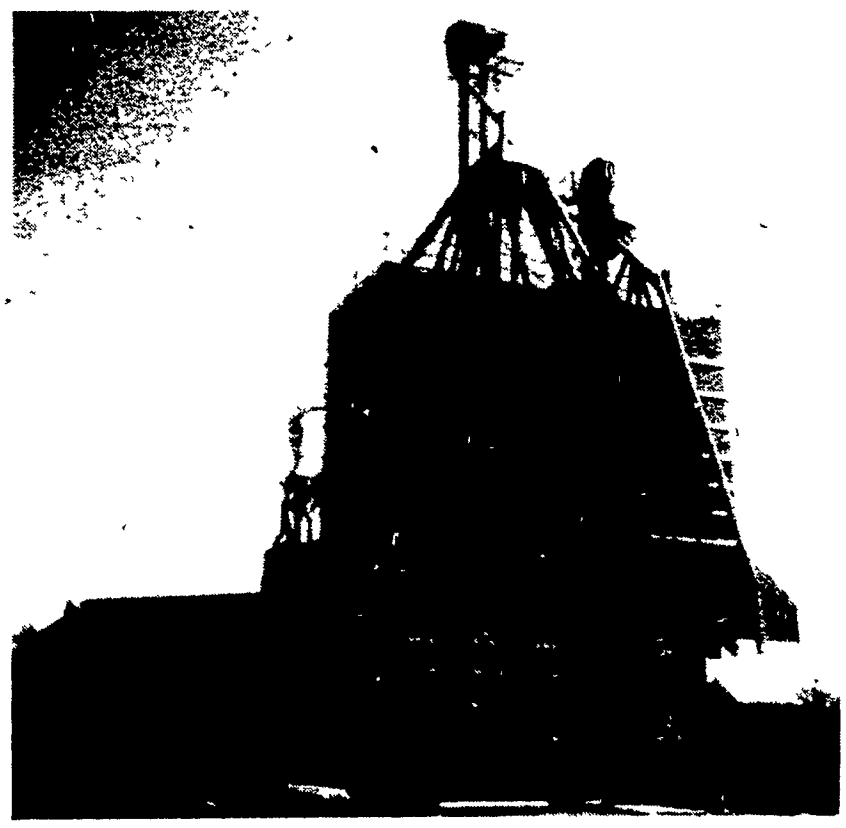

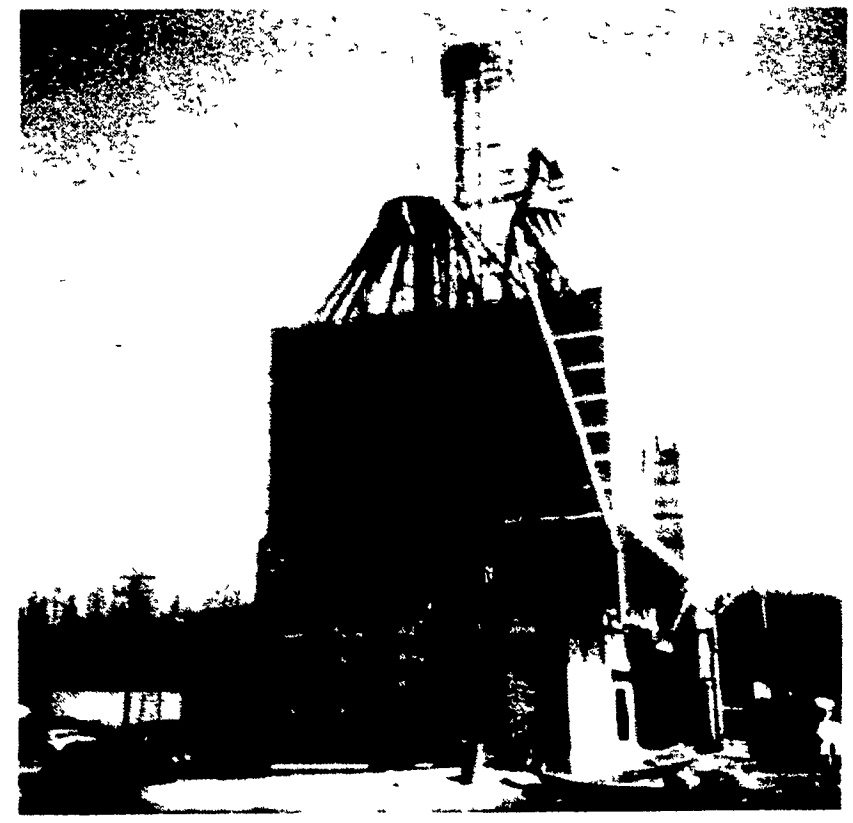

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Hallowells

(Continued from Page A1)

But some children seem to do better on a tractor than in a silo and the Hallowells were no exception

At age 12, Pen, Jr was old enough to help rake hay. The only catch was, his dad had to put it in gear.

"I was in to catching butterflies at the time I stopped to catch a great big katydid and took it out of gear. I couldn't figure out how to put it back for about a half-hour," says Pen

Stacking fresh hay bales, right out of the field, becomes tiring to most adults, let alone youngsters. Even before the Hallowells were big enough to steer a tractor, they were integral parts of a human hay-unloading conveyer belt. However, they handled the massive bales by rolling them from the wagon and off the elevator.

Then there is the case of the runaway wagon that draws laughter each time it's rehashed The scenario opens with Trish Hallowell driving the tractor with Pen Sr on the wagon, stacking bales. The couple approaches a steep hill, as Pen Jr. picks up the action.

"Mom turns around and yells, 'You sure you want me to go down there'' and Pop hollers, 'Go ahead, go ahead!'

"So she starts down and the wagon starts to pass the baler and finally it ends up the wagon going backwards down the hill," Pen Jr recalls

At her husband's command to stop, Trish applied the brakes only to see the wagon pass the tractor

"Then Pop figures out if you gas it you'll straighten the whole thing out and then he's yelling, 'Go ahead, go ahead!'

"It all happened in about five seconds," Pen Jr. laughs

Barn chores provided a little slower action for the family. All the children started out by feeding calves, feeding hay and taking care of the chickens. Eventually, they added milking cows to their list of skills

While their brothers milked, Emily and Susan often would be in the barn serving as activity directors for the Pennywell calves A calf's not happy unless she's loose, seemed to be the girls' motto and soon four-legged Black and White streaks would tear through the Hallowell barn.

Emily and Susan also were called to duty in the family's home as each one spent a summer inside helping their mom

"Emily handled it better than I did," Susan admits Procrastination was the key word and Susan reveals that she sometimes hid salt and pepper shakers in the garden so that she could hide and eat tomatoes instead of working in the house

To the untrained eye, a dairy farm may be just a place to milk and feed cows and work in the fields. But to the Hallowells, like most farm children, the family farm offers a veritable playground to those with imagination — like the time they were caught seesawing on the grain elevator

Or after the hay mow was just about empty, the kids would delight in their favorite sport — chasing the elusive barn cat. Although Susan probably didn't enjoy it as much after her brothers goaded her into sticking her hand down a dark deep hole in the barn where a wild cat waited.

Riding calves was always a pleasant pastime

"Except you didn't ride the friendly calves. They weren't any fun." Susan explains.

The children would spend many hours along a creek which ran through the Hallowell property.

"That's where I grew up," says Pen, Jr. "For our birthdays we'd go back there for picnics."

Emily adds, "It was great, we could go horsebackriding or take the heifers back to the creek whenever we wanted. Jim would be back there hunting, Susan and I would be with the animals or catching tadpoles and Mom would enjoy the plants and the flowers."

But growing up on a farm also meant getting your share of bumps and bruises and in the Hallowells' case, broken bones and concussions.

A cow fell against Emily, one year, pinning her leg between the barn door and wall Although it was a severe fracture, the youngest Hallowell recuperated and years later went on to break her high school track record for the 440

Jim recalls showing his first cow Toots, a big strong Ivanhoe daughter with horns. While trying to catch the judge's eye in the showring, he instead caught Toots' horn right in the head. After the bells stopped ringing and the cobwebs cleared he went on with the show

But it seems that Susan was either prone to concussions or enjoyed falling on her head. And before Penrose and Trish's oldest daughter left the farm she had four concussions in all.

While riding in the back of a hay wagon, she and Jim would grab onto the passing tree limbs and get dragged to the back of the wagon before letting go. Susan could hang on with no problem, the tricky part was releasing the limb. Jim watched as his sister whipped from the wagon like Tarzan. But instead of landing Tarzan-style, feet first, she used her head.

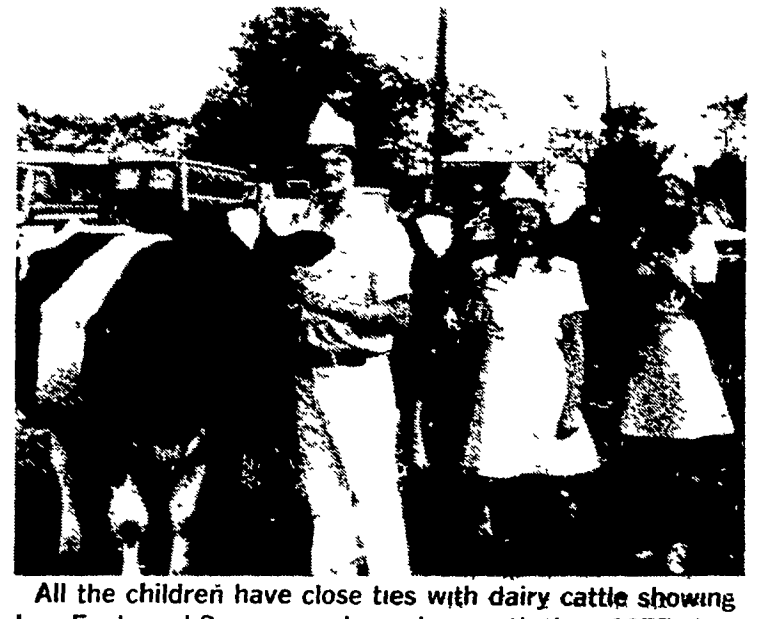
Susan still hadn't perfect the release mechanism when she and Jim were throwing hay bales down from the mow With a heave ho, Susan and accompanying bale fell

(Turn to Page A45)

Home for the Hallowells is, Pennywell Farm, an 80-cow registered Holstein dairy in northeastern Bucks County. The family helped in the construction of the barn in 1972 and have fond memories of numerous square dances in the new structure.

"Ginny" the Holstein, christened after Pa.'s first lady Ginny Thornburgh has a couple of ardent admirers in Emily, left and Susan, right. As youngsters, Emily and Susan would spend hours playing with heifers, letting them run through the barn alleys, much to the chagrin of their brothers who were trying to finish the milking.

The Pennywell partners, Penrose and Jim are joined by Tally, a direct descendant of Jim's first calf given to him by his dad. The Hallowells are looking forward to their first Elevation daughter in the herd as Tally is one of two cows bred to the popular Holstein sire.



All the children have close ties with dairy cattle showing Jim, Emily and Susan are shown here with their 1977 show string

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Goat dairying needs good breeding to catch up to cows

PHILADELPHIA — Genetic selection could rapidly improve dairy goat breeds if the goat industry would support a long-term national breeding program, a U.S. Department of Agriculture scientist has claimed.

Reseach geneticists George R. Wiggans, said that although the potential for improving goats is great, it depends on goat dairy farmers actively encouraging goat research at the university and federal level. But unless goat dairying becomes more profitable and important to American agriculture, farmers could be hard pressed to justify such research.

"That is the 'Catch-22,' " said Wiggans, of the USDA Animal Improvement Programs Laboratory in Beltsville, Md. "Superior breeds would make goat dairying much more productive, but the industry needs to be sufficiently successful right now to stimulate a national breeding program in the first place."

Such a program would seek to improve the efficiency of milk production and to adapt goats to intensive management. Breeders would concentrate on producing more offspring per pregnancy, more efficient body growth, more milk, and milk with a higher protein and fat content. To maintain a year-round supply of milk, goats with longer milking seasons would be selected and bred. Many dairy producers fail to supply their markets each fall and winter as milk production literally dries up.

To evaluate individual animals adequately and to take full advantage of superior goats, dairy farmers would have to breed their does with bucks at as many other farms as possible. This eliminates local influences in performance and allows farmers to compare their goats to others in a large area. In this way, the very best animals would be identified.

Unfortunately, 70 percent of all bucks had only one daughter, and only one percent are used to any great degree, Wiggans has found from a survey of more than 1,000 dairy goat herds.

Impeding the wide-area use of bucks is the lack of routine artificial insemination techniques. Transferring a buck from one farm to another is expensive, inconvenient, and a disease risk. An alternative, however, is to trade female offspring of promising bucks to other farms. In this way, these does can be milked under varied conditions, again minimizing environmental and local influences.

Wiggans keeps qualitative and quantitative milk production records for Alpine, Saanen, Toggenburg, and Nubian breeds. He has developed techniques for adjusting each animal's production records according to their breed; age; length of milking season; age at, and date of kidding; and other factors. Such standardization is necessary to identify promising animals.

Few scientists, however, are currently engaged in goat research. But with sufficient encouragement from farmers, information collection and animal evaluation programs could be developed for the entire country. The University of California at Dave, in fact, has just begun providing such services to California goat farmers. Yet such progress could prove ineffective if farmers don't systematically test their bucks at many different farms.

But for Wiggans and other USDA scientists, goat research is still at a preliminary level. Using detailed data from eight Maryland goat herds, Wiggans is reevaluating one of the basic tenets for dairy animals — the lactation curve. Farmers do not measure milk production in goats or cows each day. Instead, milk production is measured just once a month, and the lactation curve, developed after numerous field trials with cows, is used to estimate monthly production.

If, as Wiggans' preliminary evidence suggests, the curves for goats and cows are similar, the accurate evaluation of milk production in goats could be greatly facilitated. And for the fledging goat industry, every bit of good news helps.

"The industry is where cow dairying was 30 to 40 years ago," said Wiggans. "But learning from the past successes and failures of cow breeding could dramatically shorten the time necessary to breed superior dairy goats."

Produce hot line opens June 17

HARRISBURG — Pennsylvania's farm market operators will again have the opportunity to receive updated information on pricing of fresh produce in 1982. This marks the third straight year of operation for the special service, which averages 120 calls per day during the fresh produce marketing season.

The toll-free hotline will begin operations on June 17, and remain in service through November 15. The telephone number for farm marketers to call is 1-800-932-0904.

The toll-free produce hotline is designed to provide farm marketers with information on average retail prices for in-season farm produce. The greater stability which appears in pricing allows for a more orderly marketing of our farm produce.

The Pa. Dept. of Agriculture also has published a Consumer's Guide to Direct Marketing which identifies nearly 900 direct farmer-to-consumer markets across the state.

The hotline was initiated as a pilot project in cooperation with the USDA's Agricultural Marketing Service in 1980. Since that time, the program has been funded and operated by the State Department of Agriculture.

Information on retail prices is tallied by the Bureau of Marketing and revised twice weekly, on Monday and Thursday. As new crops come into season, they are included in the pricing information available through the hotline.

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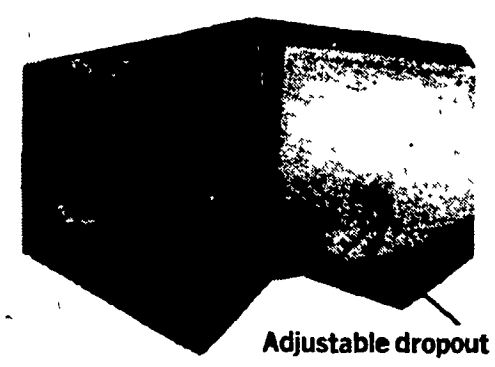

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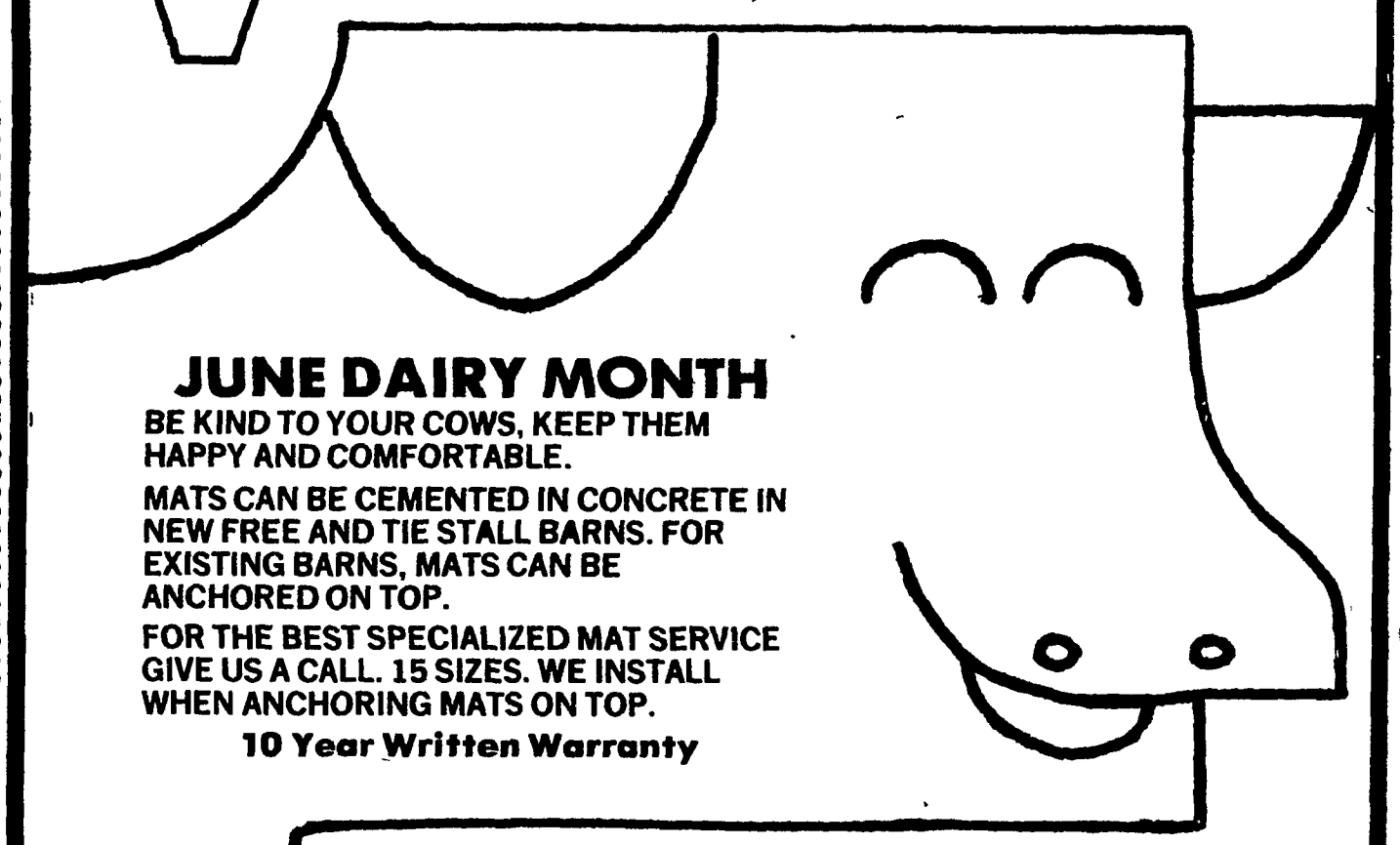

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Coughlin replaces Forest as AMS dairy division head

WASHINGTON, D.C. — Edward T. Coughlin has been named acting director of the dairy division of the U.S. Department of Agriculture's Agricultural Marketing Service, effective June 14.

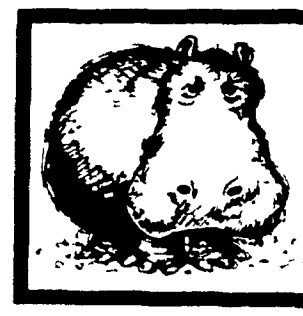
William T. Manley, AMS acting administrator in Washington, D.C., said Coughlin will become permanent director if a survey of available senior executive service personnel shows none are more qualified for the job. He said Coughlin was selected for the position following an open competition for the career appointment over a period of several months.

The dairy division administers 49 federal milk marketing orders throughout the United States, provides market reports and statistical information on milk and dairy products, and carries out grading and inspection for dairy plants and products. More than 80 percent of the fluid milk consumed in the United States and 66 percent of all milk is covered by the milk marketing orders.

Coughlin, 47, has been a USDA employee since 1959. Since January 1980 he has been a deputy director of the dairy division, supervising the milk order market administrators. He received a bachelor's degree with a major in accounting from Bentley College in Massachusetts. He served two years in the U.S. Navy.

A native of Milton, Mass., Coughlin is married to the former Kathy Murphy. They reside in Alexandria, Va. The Coughlins have six children — two sons and four daughters, ranging in age from 20 to 11.

Coughlin succeeds Herbert L. Forest, who is retiring after 48 years with USDA. Forest has been director of the dairy division since 1954.



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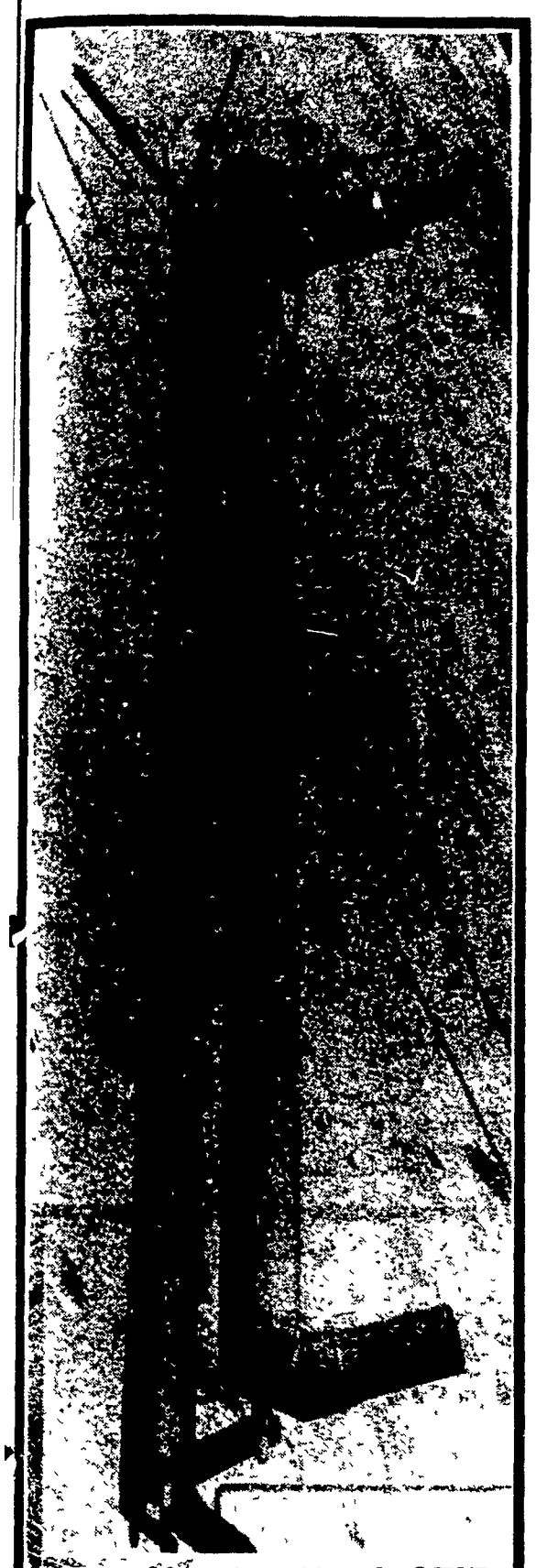

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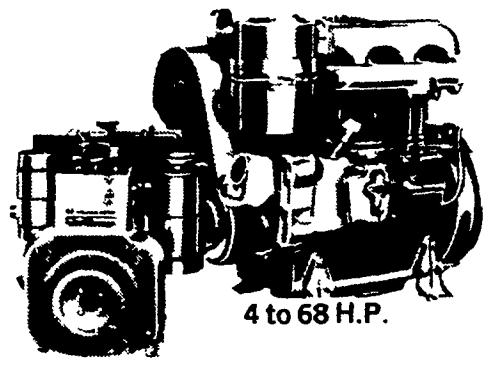

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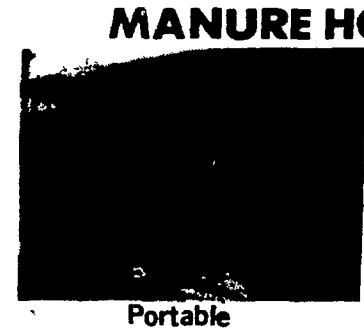

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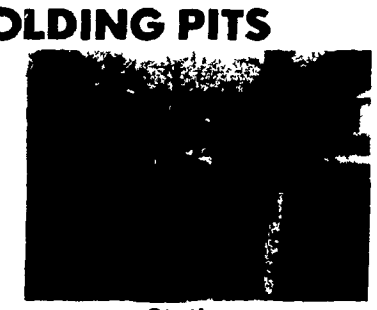

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Thousands attend first Dairy Day-USA Festival

WASHINGTON, D.C. — Nearly 8,000 people braved the Memorial Day weekend traffic to attend the country's first national June Dairy Month celebration, held here last Saturday.

The "Dairy Day - USA Festival," made up of exhibits geared to give consumers a taste of dairy foods and a look at where they come from, took place on three acres of the Washington Mall, across from the Capitol. The event was sponsored by the Mid-Atlantic Advertising & Promotion Agency and the U.S. Department of Agriculture.

Highlights of Dairy Day included an appearance by U.S. Secretary of Agriculture John R. Block and the serving of the world's longest cheese submarine sandwich.

Secretary Block toured the exhibits, handily defeated his wife in a cow milking contest and then held an informal press conference to announce the distribution of 50 million pounds of surplus butter to the needy and the expansion of the government's cheese distribution program.

The record-breaking cheese submarine sandwich measured in at 147 feet, 11 inches and was manufactured by Subway Sandwiches of Washington, D.C. It contained 90 pounds of cheese, 25 6-foot loaves of bread, 60 pounds of lettuce, 5 gallons of pickles and 25 pounds of tomatoes, among other ingredients. It was quickly devoured by a large crowd of onlookers.

Other dairy-related exhibits present included a life-sized butter sculpture of a calf and smaller sculptures by the International Culinary Institute of Baltimore, antique farm equipment, including a 60,000-pound steam-powered tractor a calf petting zoo, performances by Milky the Robot and the appearance of the Dairy Festival on wheels — a mobile milking parlor and barn containing four cows Cal Ripken Sr. and Jr. of the Baltimore Orioles and dairy princesses from Maryland, Pennsylvania and Delaware also appeared at the festival.

A life-sized calf was skillfully sculpted by "artists" from the International Culinary Institute of Baltimore. Unlike other art forms, this sculpture had to be "kept on ice" (actually in a cooler) to prevent it from melting. The calf is carved from real butter.

Like a naughty kid with the only "water pistol" in the crowd, U.S. Ag Secretary John Block takes aim and fires a steady stream of milk. His target — the shuttering lenses of photographers' cameras. Block competed against his wife in a celebrity milking contest during last Saturday's Dairy Day — USA Festival, held in Washington, D.C.

If you can't take the city slickers to the farm, take the farm to the city slickers. That's just what Rick Naczi of Milk Promotion Services Inc., an educational organization from the New England area, did last Saturday. He didn't come to the nation's capital alone, but brought along four dairy cows, a portable milking parlor, and a dairy barn on wheels.

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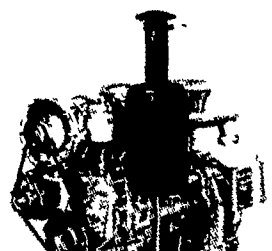

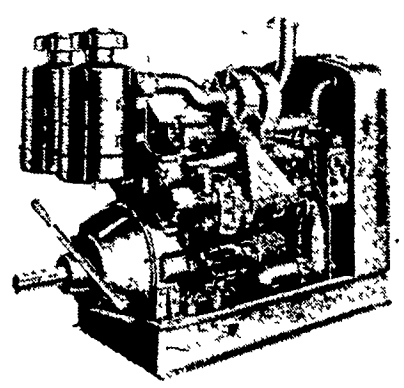

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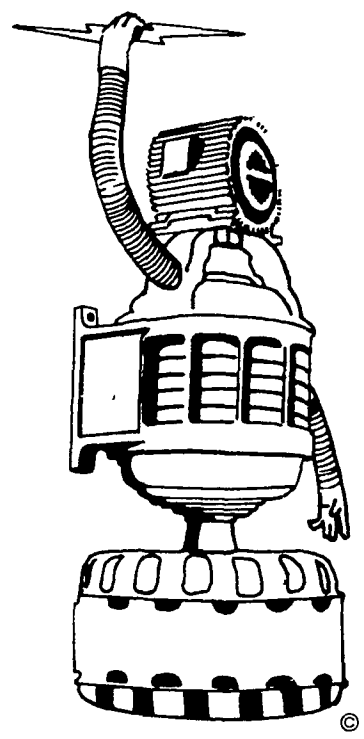

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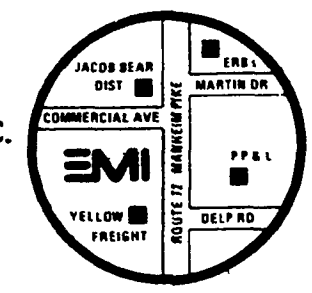

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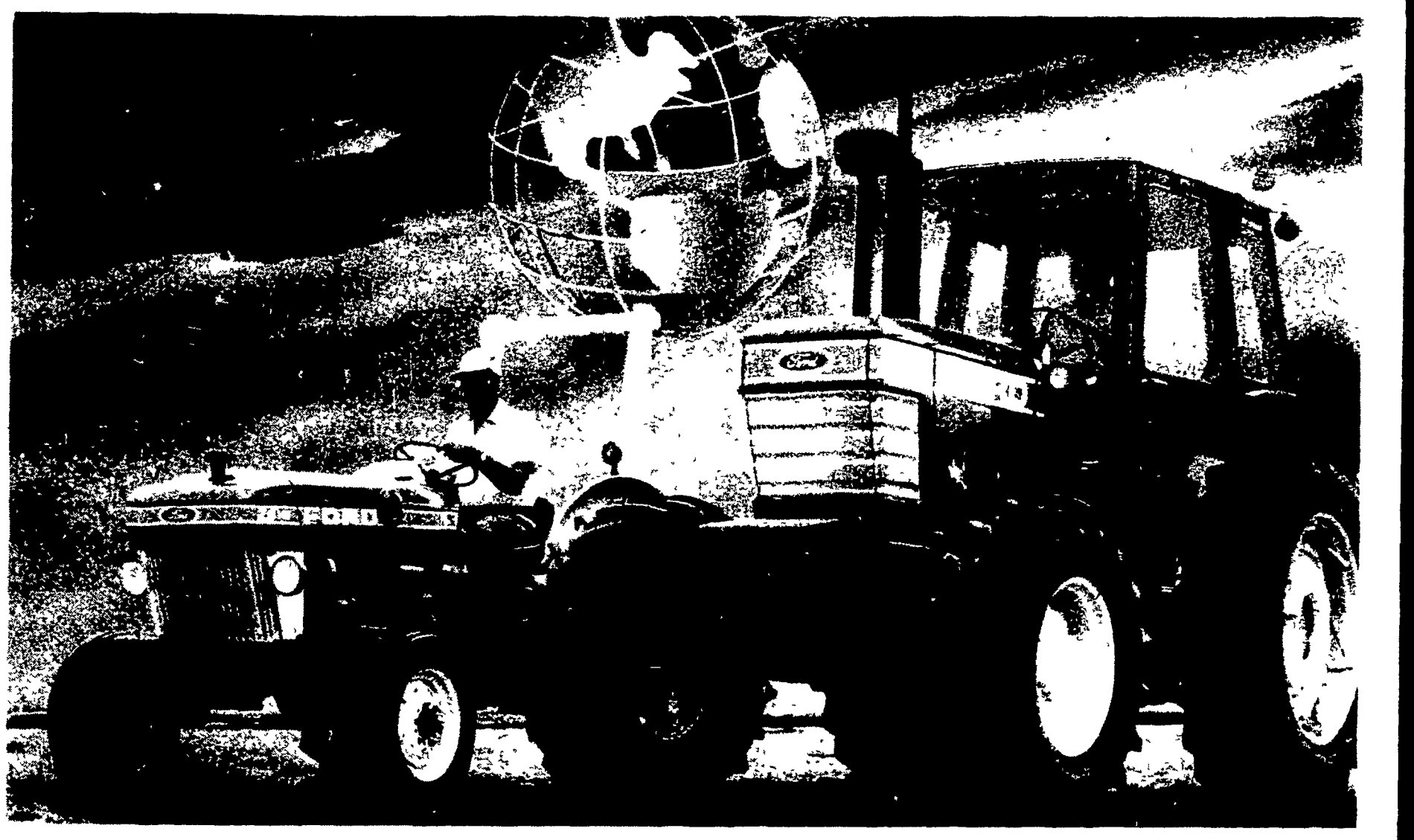

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Does eat oats, but there's more to feeding dairy goats

UNIVERSITY PARK — Feed the dairy goat with several objectives in mind, recommends Penn State's Extension dairy director Don Ace.

Feed a young animal enough energy for growth and feed a mature animal enough energy to maintain a fairly constant bodyweight.

Provide enough protein, minerals, and vitamins in a balanced feeding program to maintain a healthy animal.

Offer does enough extra food during gestation and lactation to develop the fetus and produce milk.

"Digestible fiber is especially important in the diets of dairy goats. Too much grain in relation to forage does not foster good ruminant action and is a costly feeding practice," says Ace.

Feeding kids and yearlings

The kid is born with no natural protection from disease. The first milk (colostrum) from its mother offers protection and gets the digestive system working. To be most effective it must be fed before disease-producing organisms enter the mouth and digestive tract.

Wash the fresh doe's udders and teats with warm water. Hand milk half a cup of colostrum and feed it within 15 minutes of birth to the kid. This is the best way to be sure that the newborn receives some milk and at the same time provides the most protection from organisms present on the skin of the doe.

Complete the first milking and store the colostrum for later feedings if you elect to hand feed. otherwise, permit the kid to nurse at its convenience following the first hand feeding.

Clean the feeding utensils immediately following each use. Use the same cleaning procedures you follow for washing milk handling equipment or your dinner dishes.

The following is a practical liquid feeding schedule: 1 to 3 days old, 4 oz. (½ cup) liquid. 4 or 5 times per day; 4 to 14 days old, 8 to 12 oz. liuqid, 3 or 4 times per day; 2 weeks to 3 months old, 16 oz. liquid, 2 ore 3 times per day; 3 to 4 months old, 16 oz. liquid, 2 times per day.

Warm the liquid to 100 F. At 2 weeks of age, extra water may be provided.

Milk replacer may be fed from the fourth day; it should contain at least 20 percent protein, 20 percent fat, and be free of vegetable products. A lamb or veal finishing replacer is recommended. Provide hay and grain at one to two weeks of age. Wean from milk when intake of grain reaches ¼ pound daily and kids are readily consuming hay.

If diarrhea is a problem, try the following: White Karo syrup or honey - 2 tablespoons; Table salt - ½ teaspoon; Baking soda - ¼ teaspoon; Water - To 1 quart. Mix fresh daily and feed in place of milk. Double the rate you were feeding. Feed as soon as diarrhea is noticed. Use for 1½ or 2 days, then return to the regular milk diet. Make sure the solution is thoroughly mixed.

After 4 to 6 months of age the kids may be fed a ration similar to that fed the milking herd. Lots of good hay and ½ pound of grain per day should provide an ample growth rate. With poor hay it may require 1 to 1½ pounds of gain daily.

Feeding the milking herd

If milk production is important, emphasis must be placed on feeding maximum amounts of high quality hay balanced with a grain ration containing enough protein, minerals, and vitamins to support production and animal health. Grass or legume hays are equally acceptable. As the percentage of legumes is increased the need for protein in the grain mix is reduced.

Level of milk production, amount and quality of forages consumed, appetite, and state of fleshing will determine the amount of grain to feed.

Thin, high producing does should have access to all the hay they can eat plus grain to the limit of their appetite. Does in mid-lactation that are in good flesh should have all the hay they will eat plus 1 pound of grain for each 3 pounds milk produced. Late lactation does may not need more than 1 pound of grain for each 5 pounds of milk.

Feed a grain ration formulated for a milk-producing ruminant Do not purchase horse feeds for dairy goats. Rolled or cracked grain is more palatable than ground grain. Urea is not recommended because of palatability problems. Most commercial cow feeds contain by-product ingredients unpalatable to goats. Wet molasses is more palatable than dry molasses. Beet or citrus pulp is a valuable source of fiber especially if the available hay is of low quality.

Weeds and browse are not a necessary part of a goat's diet. Good pasture is a valuable source of summer feed. Vegetable tops and parings may be used but as an "extra." Do not depend on them as a sole source of forage.

Water is critical to good health and high milk production. A clean source of water should be available at all times. If the water is warmed during cold weather, goats will consume more.

Feeding dry does

Reduce the amount of grain to ½ to 1 pound per day if the animal is not thin. Feed all the forage she will eat. Hay fed during the dry period may be of lower quality but, if so, the grain ration should contain additional protein. Browse, leaves and weeds are often useful to recondition the stomach. If the dry ration differs from the milking ration, be sure to change to the milking forage and grain ration 2 weeks before the doe freshens.

Feeding the buck

For convenience purposes, the same grain fed the milking herd may be used. Most bucks do not need more than a pound of grain per day plus forages. Don't let him grow fat. Adjust grain upward or downward accordingly. Always full feed forage.

General

Do no mix minerals and salt for free choice feeding. Always feed them separately. Feed hay in a rack that will not permit wasting. Forage testing is an economical way to feed the correct ration to your herd.

"Optimum growth, good health, and high milk production is the result of sound feeding practices. The dairy goat is not unique in her body requirements. She will respond to good nutritional practices," concludes Ace.

Apple growers vote to increase marketing assessment

HARRISBURG — Pennsylvania Agriculture Secretary Penrose Hallowell has announced that state apple growers have approved an amendment to the Pennsylvania Apple Marketing Program which will increase the rate of assessment to participating growers

Hallowell said that during the referendum period, May 13-27, 60 percent of the growers voting favored the amendment which will provide $100,000 in additional funding for the program.

The Apple Marketing Program, which includes growers with 500 or more apple trees, was established by apple producers in 1967 as a self-help effort to increase sales of Pennsylvania apples. It is administered by a board composed of affected apple growers.

Pennsylvania apple growers now assess themselves five cents per bushel for fresh market and two cents per hundredweight on apples sold for processing. The amendment will increase the assessment to seven cents per bushel and four cents per hundredweight.

Hallowell said, "The Pennsylvania Apple Marketing Program has made tremendous progress in the past 15 years. Approval of the amendment will enable continued strong support of marketing efforts to promote sales and consumption, allowing Pennsylvania Agriculture to keep Growing Better."

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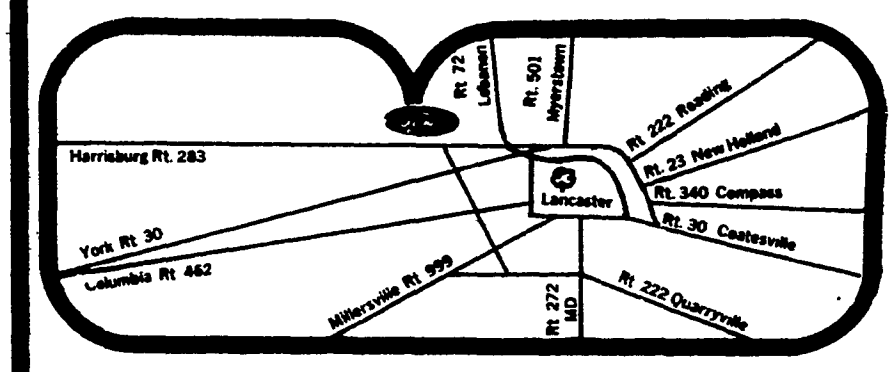

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Hallowells

(Continued from Page A38)

through the mow hole, head first, again.

And although the injuries may have caused some tears years ago, they are recollected amid gales of laughter.

At age 10, all the Hallowells recieved a heifer calf. Jim and Emily's heifers proved to be prolific cow mothers while Susan and Pen watched bull calf after bull calf go to market. All members of the UNAMI 4-H club, the children showed for several years at the Middletown Grange Fair. Breaking heifers to lead was no problem as Susan and Emily usually could be found with a couple heifers in tow. In fact, they performed their task so well that even without halters the heifers would follow the girls.

Athletic competition was high on the list of school activities for everyone and all but Susan ran track.

Most of the legwork, however, took place between the barn and house. Their father started a tradition of running from the barn and soon he had many competitors.

"We were always trying to beat Pop," recalls Jim.

Pen, Jr. remembers this family running ritual prompted one neighbor to ask, Don't you Hallowells ever walk anywhere". The oldest Hallowell son used his farm-honed talent for the pole vault and high jump. Jim competed in the 440 and ran anchor leg in the mile relay Emily's record for the 440 still holds at Palisades High School Although Susan didn't compete in track her running talents were evident in her chosen sports of field hockey and basketball.

Pen, Jr. was also active in Glee Club, school plays and musicals, student council and ice hockey.

In high school, Jim enjoyed soccer and played saxophone in the school band. In addition to sports, Susan served as a member of the Palisades Student Council while Emily plied her talents in field hockey and served as Bucks County Dairy Princess in 1978. Throughout their 4-H career, all the children held offices.

Much has changed at Pennywell Farm since the children recieved their first calf or stood on a chair to dump milk into the bulk tank. A new barn was added to accommodate the 80-cow milking herd, bucket milkers were replaced with a pipeline and their dad went to work in Harrisburg.

"It wasn't like the family farm after that," says Pen, Jr. Hired help came and went and herd average fluctuated with each changing of the guard.

Palisades High School was replaced with Penn State and York College and the Hallowells were seen less frequently running from barn to house

Jim returned home in 1976 after earning an agriculture mechanization degree from Penn State He entered a partnership with his dad in 1977 and along with herdsman Jack Kelly has increased the rolling herd average to 17,500 pounds of milk

The Pennywell herd represents such bulls as Marvex, Very, Ivanhoe, Marlu Titan, Gay Ideal and this year the Hallowells are

(Turn to Page A46)

Although Pen's career in chemistry takes him out of the barn, he and brother Jim, left, still find plenty to talk about while visiting a few of their four-legged friends

ZERO

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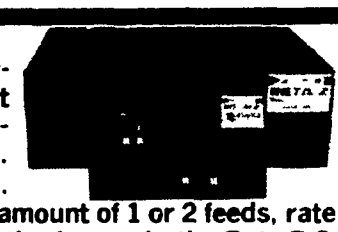

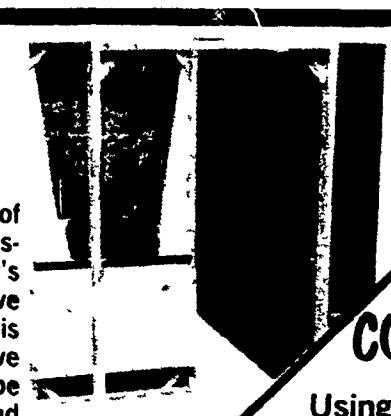

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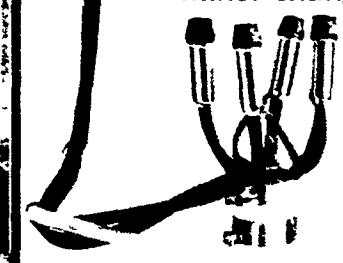

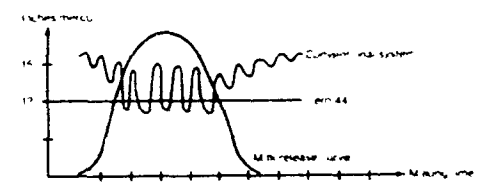

The End Of Vacuum Fluctuations.
Chart shows how Zero 44 and the Concord Milker maintain constant low gentle vacuum throughout milk release, in contrast to high harsh fluctuating vacuum of conventional systems

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ZERO

Hallowells

(Continued from Page A45)

expecting their first crop of Elevation calves.

Jim resides at the farm with wife Nancy, also a Penn State graduate and 5-month-old daughter Elizabeth.

Pen lives about a half-mile from the farm and is employed as a chemistry lab technician working with auto emmission equipment. A graduate from Penn State with a degree in environmental resource management, Pen has two small boys, 4-year-old Jesse and 2-year-old Benjamin.

Emily is a recent graduate of Penn State with a degree in horticulture. She lives at home and is employed as a plant and flower consultant for a Bucks County retailer.

Susan Hallowell Forrey has remained close to her dairy roots. The York College graduate with a degree in biology, works as a lab technician for Em Tran, Inc., a Elizabethtown firm that specializes in embryo transfers.

One generation has passed at Pennywell Farm, but the hay rides, cat chases, creek picnics and deep family love and respect are all in place for the next generation.

Mayer joins Cumberland Extension

UNIVERSITY PARK — Joey B. Mayer has been named to Penn State's Cooperative Extension Service staff and assigned to Cumberland County.

As Extension program assistant, Mayer is conducting educational programs in agriculture for adults and youth. He began his duties May 17.

A native of Millmont, Union County, Mayer received a bachelor of science degree in agronomy from Penn State in March.

While a student at University Park, he was employed as a research aide in the department of agronomy. Mayer was a member of the Penn State Agronomy Club and served as treasurer of Alpha Zeta, honorary agriculture fraternity.

The Cumberland County Extension office is located at 1100 Claremont Road, Carlisle.

Killdee

(Continued from Page A35)

better managers are coming along everyday," Miller said.

Fortunately for the dairy industry and the Holstein breed, Jack Miller won't disappear following the farm's liquidation.

He's already accepted a position with Rothrock Golden Holsteins near Allentown. The farm owner Bruce Rothrock has less than a dozen head and incomplete facilities but has a goal to establish a registered herd of Holsteins. He just needs the right individual to get him there.

Enter Jack Miller.

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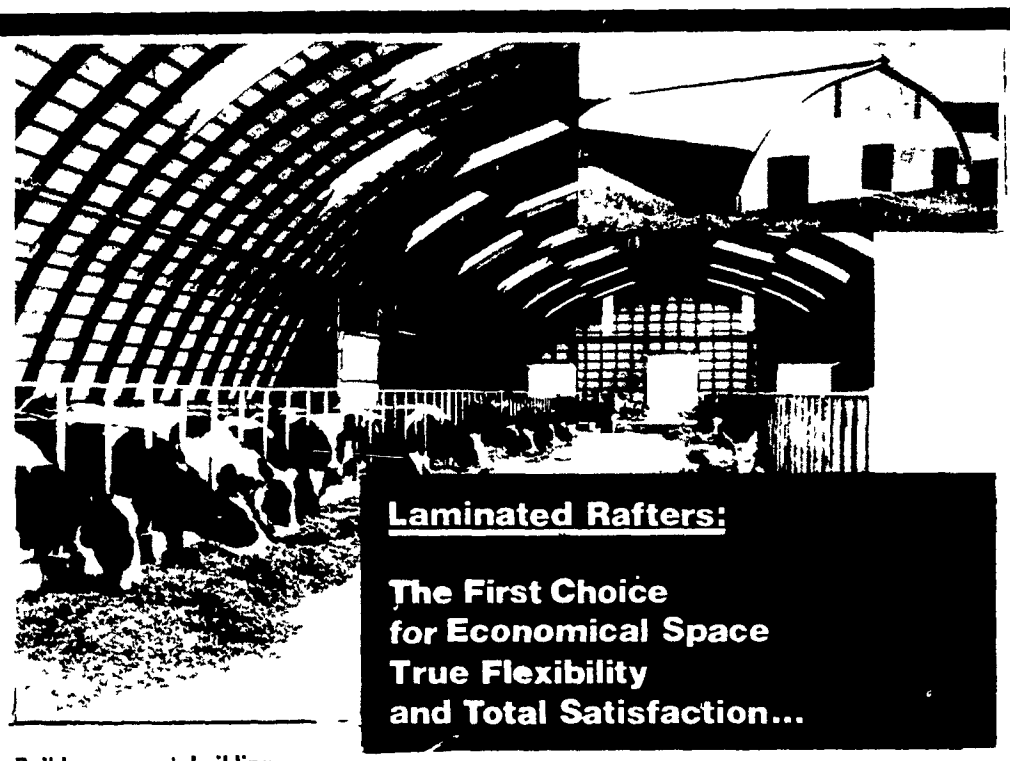

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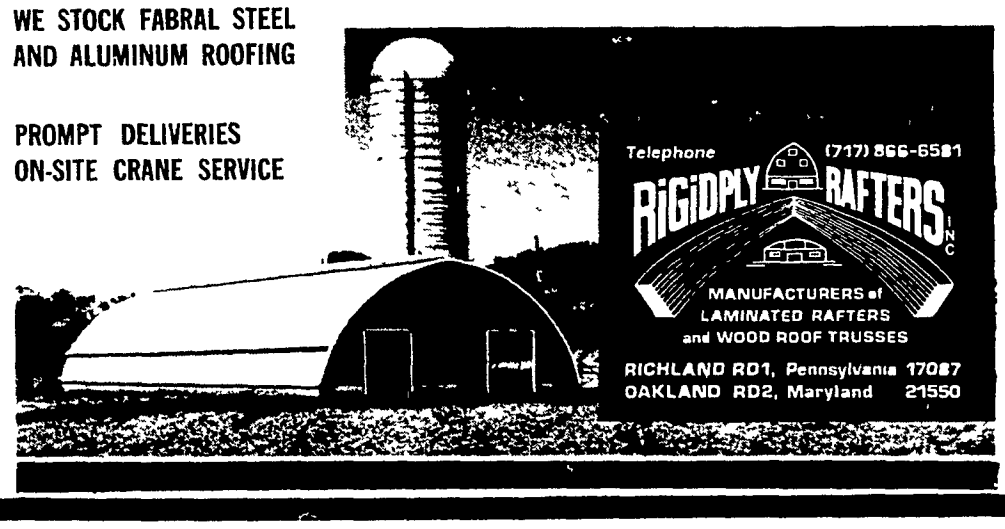
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Dauphin dairyman

(Continued from Page A28)

How quickly could a change be affected? According to Williams it could come in 90 days if Secretary of Health and Welfare Richard Schweiker would order it. Williams adds, "I have no idea how Secretary Block feels about it."

He feels furthermore that farmers are beginning to talk and to realize the necessity for a change.

Asked about his own dairy operation Williams points out good naturedly, "Our cows and our barn don't mean anything if we don't sell our product."

Nevertheless he conducted a brief tour of his four-year-old facility which features a double-six herringbone with automatic take-off system which allows one person to do the milking. He presently milks 120 Jerseys. A former stanchion barn was converted into three rows of free stalls, with manure being scraped into a manure pit. This spring they hauled 205 loads from the pit.

The barn also features a hospital area adjacent to the milking parlor where cows can go for shots, examinations or insemination.

The tremendous amount of water necessary in a dairy operation is "recycled" at the Williams' farm. Water comes in cold and cools the freon which cools the milk. The warm water is then headed and used to wash equipment, then put into a storage tank and used to wash the floor of the parlor. From there it is pumped into a pit where it can be pumped out for irrigation on the fields in dry weather.

Large pipes transmit the heat generated in the equipment room to the milking parlor pit to make it more comfortable in the winter

Calves are raised in hutches, which Williams says jokingly should be "outlawed" because they contribute to the surplus problem by lowering the mortality rate dramatically His Jersey calves are raised in individual hutches to two months of age and then placed in a "community" hutch with three calves to teach them "competition and cooperation." From there they can adapt more readily to larger group situations.

Their 280 crop acres are used primarily for corn and alfalfa. The first and fourth cuttings go into a trench silo as a "sandwich" between corn silage and the second and thrid cuttings are made into hay.

Tom and wife Tiz have four sons in the family: Craig, 18, Tony, 16, Sam 10, and Fred, 9. Despite all this manpower, Tom employs two full-time men because his sons are frequently away at school, 4-H or church activities

A strong 4-H supporter, Tom has beena good neighbor to the nearby housing development by encouraging local youngsters to join the dairy club He supports them by allowing them to select a calf ("I don't look when they're choosing," he says).'

"They learn to fit and show and I truck their animals They clip them and they lead them " But he says emphatically, "Showing a cow is only opening the door to other 4-H activities "

Leader of the Lower Dauphin 4-H Dairy Club, Tob was chairman of the county's first countywide fair, representing all 4-H projects. He and Tiz also traveled to Kansas with 4-H'ers last summer and are often hosts to international visitors in their home.

This summer Tiz is helping head up the Harrisburg Friendship Force, which has an exchange trip scheduled with Ireland In addition to hosting, Tiz will help organize the program and will field problems as they arise during the two week exchange in August

The family is very involved as members of the Market Square Presbyterian Church in Harrisburg Tom is also active in PFA, Lower Dauphin Young Farmers, Pennsylvania Dairymen's Association and the Jersey Cl/ub

In the kitchen of their eighteenth century farmhouse, the Williamses display glass bottles with the Bryncoed Farm label Beside sproducing milk, the Williams family also sold it at one time

Tom notes, "I have had the privilege of milking, bottling, delivering and collecting bills." He claims his close contact with all aspects of milk production puts him in a good position to evaluate some of the current problems

Life on the farm is important to both Tom and Tiz Tom's concern about dairying's future is obvious when he says, "We must get people moving on protecting the milk market It's a matter of flavor and economics "

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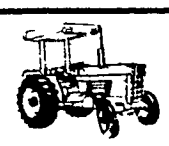

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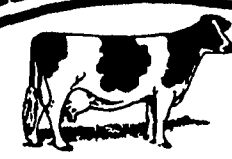

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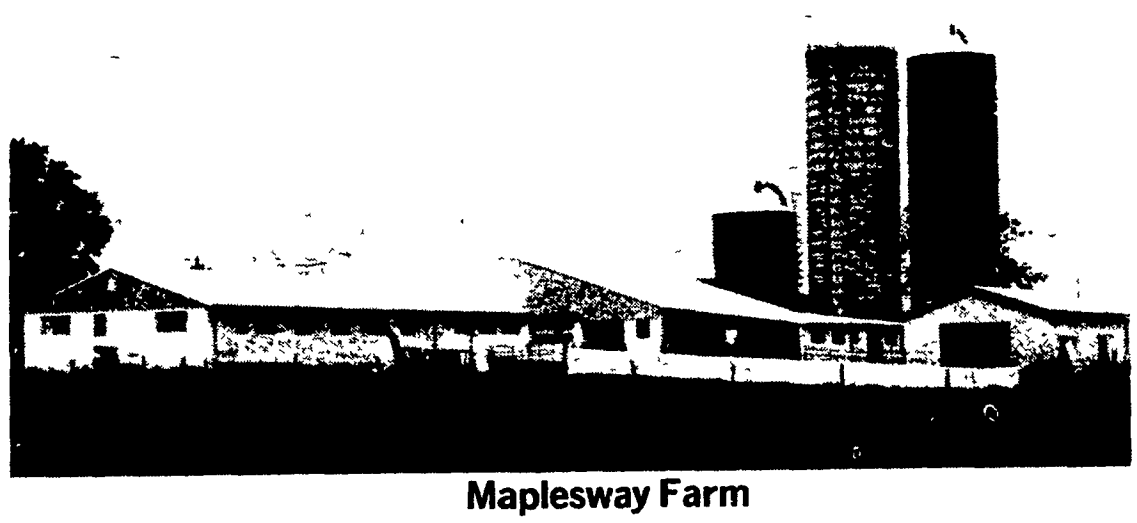

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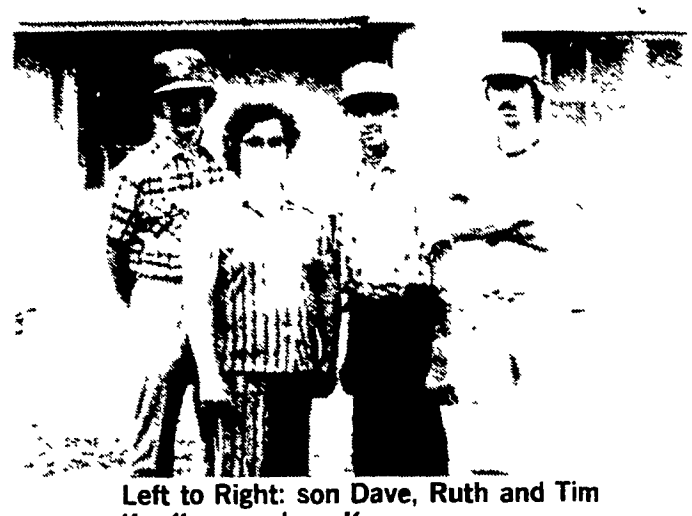

Left to Right: son Dave, Ruth and Tim Kauffman and son Ken

The Kauffmans are presently milking 59 cows and shipping over 60 lbs. milk daily per cow. According to the Kauffmans, "WE HAVE MORE COWS THAT HAVE MILKED OVER 100 LBS. THAN WE EVER HAD BEFORE! Our cows always seemed to peak at 85 lbs. milk but now we have cows at 121 lbs! Our top 13 cows on D.H.I.A. in May averaged 100 lbs. milk."

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SEE PAGE A-29 FOR MORE INFORMATION.

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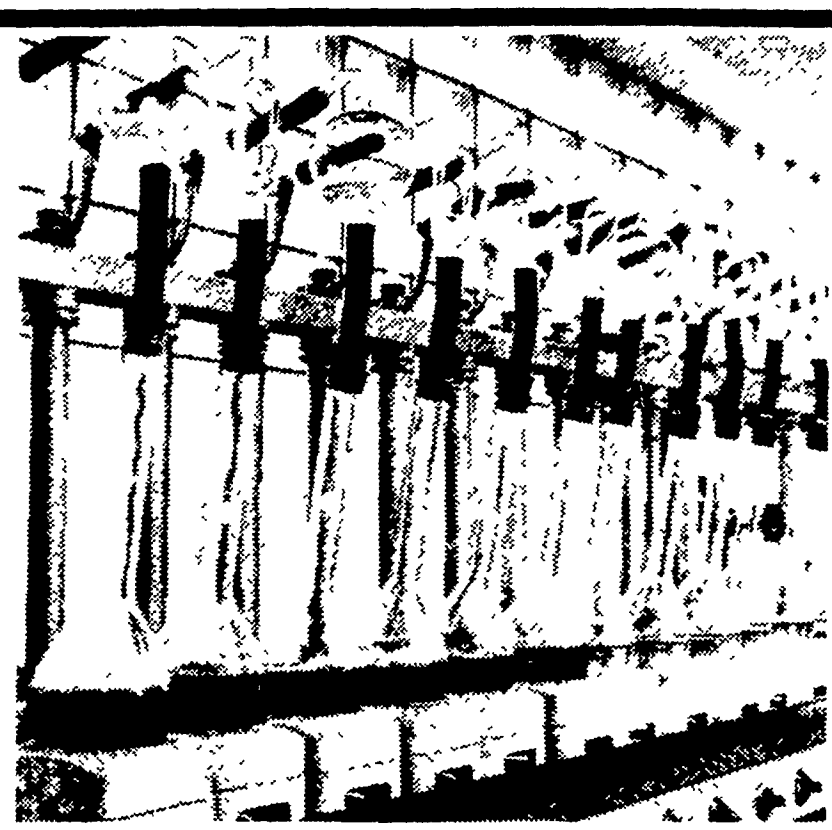

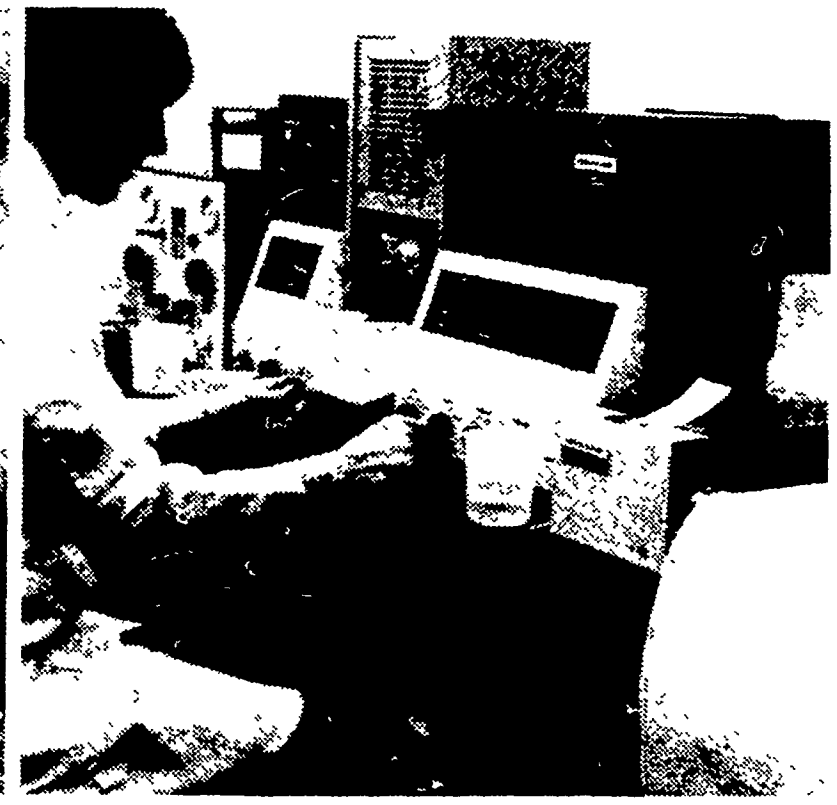

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After death of her husband

Farm woman overcomes tragedy to run successful dairy farm

BY PATTY GROSS
Staff Correspondent

Dawn Baker is an attractive and petite 44-year-old woman and dairy farm owner, who enjoyed working with her father on the family farm when she was young, but never wanted to marry a farmer.

However, years later, she did marry a farmer and had eventually three sons. And though proud of her accomplishments, the Henrietta woman has gone through not only some beautiful, but also tragic times

The unexpected happened to her family four years ago, when they lost her husband, Donald, 39, to a freak accident on the farm.

Looking back, she can talk openly about the 1978 death of a "good man" and the "good years that were too few."

"I'll never get over the real deep hurt," said Dawn of that January day. It was a winter of heavy snow and ice

Dawn explained that they had decided to ignore the snow piled on the buildings. However her husband became fearful of the barn collapsing and injuring the cattle after hearing of a similar accident on a neighboring farm.

Dawn vividly remembers the day she arrived home to find a frustrated 19-year-old son searching for his father.

They found Donald under 15 feet of snow near the barn. He and the snow apparently went off the roof. The 6 foot, 250 pound farmer was unable to survive the fall, as the snow knocked the air out of him.

Dawn was left with two farms and their young sons. "I didn't have time to pity myself," she confessed. "My husband passed me the ball and I started to run with it."

She had always done the bookwork for the dairy farm, but suddenly she was forced into a much greater responsibility.

The Bakers had expanded their operation the year before. Dawn said there were things that had to be completed immediately. "I looked at what I had to do, and said, 'Okay we're going to start.'" That's when the new bulk tank was installed, a contract with a new milk dealer was initiated, a tractor was purchased, and a new heifer barn went up.

As Dawn sits in her farm kitchen, she is proud of what she and her husband had built and the way she has continued to run the business. One can only be impressed with ther determination, but it wasn't easy and she didn't do it alone.

"I really have good sons. It took them a little time to accept that they had to answer to me only. Donald and I always made decisions together, so they knew their daddy would have approved of my decisions," related Dawn.

To other farmwives she urges that the husband and wife team-up. Plan the life of the farm together so that both know the direction it is going.

"My husband had a lot of foresight. He left a will and planned ahead," said Dawn. "But there came a certain point following his death that I realized if I didn't manage, I'd lose the farm."

Making the farm pay for itself and continuing the operation to pass on to her sons, were her primary goals.

Dawn has confidence in her sons — Bradley, 23; Brian, 22; Jay, 17 — running the farm. "They have a good background." She explained that they've all had good teachers — her father and her late husband.

Dawn manages most of the finances and decides on the major changes for the 380 acre farm. They rent 146 acres nearby. Soon the Bakers plan to buy another farm, which they currently lease from a neighbor.

The boys, along with a young hired man, share the labor and physical management. They select the bulls, and decide when the crops are ready, along with the daily chores.

The Baker family gathers for a family picture outside their barn. Dawn Baker and her sons continue to operate the Blair County dairy farm after the death of her husband four years ago. From left to right are: daughter-in-law Betty, son Brad, grandson Aaron, Dawn, son Jay and son Brian.

Dawn occasionally helps her sons at milking time. This dairy farm owner usually handles the finances for the 380 acre, 230 cattle farm while her sons handle the labor.

It's obvious why Brad, Brian and Jay have earned the praise of their mother. The Baker farm has been 'tops in butterfat in Blair County for the past three years. The current report shows the 106 milkers leading at 749 pounds. The half registered and half grade herd peaked 2 months ago in milk production at over 20,000 pounds. The female farmer said they are now a close second in the county and are averaging between 19,000 and 20,000 pounds.

The entire herd numbers 230. "We've had some tremendous grade cows that have helped us make some records," Dawn admitted. "We're one farm that doesn't show cows and we don't breed to sell. We simply produce milk. We have sold some registered cows at sale, but we don't have a name in those areas. We try to put milk in the bulk tank," added Dawn. "That's our big accomplishment"

They have about three cow families in the herd and this year plan on adding some new bloodlines. However it will be no major purchase. The Bakers normally raise their own cattle.

"We need to make some changes when we get around to it," said Dawn. The top priority of the close-knit family, is getting the crops harvested and the cows milked.

Corn and alfalfa dominate the flatlands of the Morrison's Cove farm, along with some timothy and a little rye.

The cows are "number one" on the dairyfarm. Dawn emphasized that their health, milking time, and feed are very important. She said that when the crops are at their peak, harvest begins immediately.

The feed program isn't much different from other farmers: grain, corn silage, hay and high moisture corn. The feed is analyzed regularly to find out where it is deficient.

Dawn doesn't sit down and take it easy after she makes her farm decisions. The energetic farmer has worked for the Spring Cove School District for eighteen years. Like at home, she handles the office work and real estate and per capita taxes. Working at home and away sounds as though it fills her life, but she still finds time to teach Sunday School, work for the church, and participate in the Business and Professional Women's Organization.

Complimenting the men on her farm once again, Dawn said they do real well when she's not around. "That's why I continue to work at the school district. Otherwise, I would stand in the house, looking out the window and worry."

In a money-saving effort, Dawn works to be efficient in the areas of gas, electricity and labor. The Bakers no-till to conserve fuel. They recently built a new implement shed to protect the machinery. The new bulk tank and the most recent project, - a heifer barn - were installed as labor-saving devices. Dawn admires and firmly believes in her new barn. This experienced farmers feels that sunlight and fresh air result in top cattle.

The very private woman is very much a part of her farm. She tells stories of her attachment to the cows, yet admits that this doesn't stand in the way of running the farm business. "If we have a cow that's not producing...she goes With economics and the cost of labor to handle the animals we must run the farm as the business that it is."

Every business has low points, but Dawn Baker's farm is going through its peak years. She feels that they will hit bottom again sometime and experience some setbacks during future expansions.

Dawn is recognized by her male counterparts for her outstanding contributions to agriculture, but she believes that there were many excellent years before her

(Turn to Page B4)

Homestead Notes

The Baker farm sets along Tussey Mountain in Henrietta. The farm includes 380 acres and 106 milkers which lead Blair County in butterfat, and are a close second in milk production, averaging 20,000 pounds.

June is dairy month

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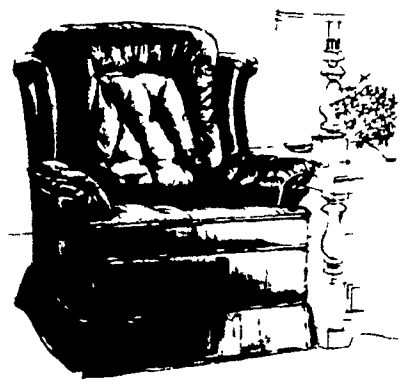

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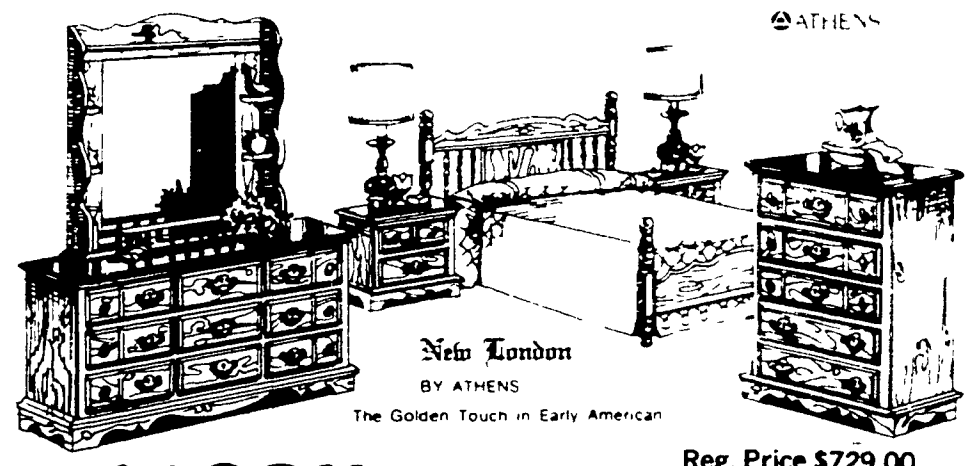

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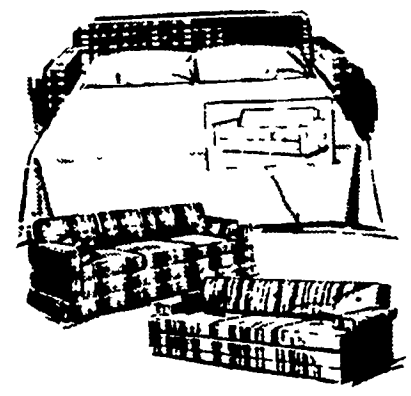

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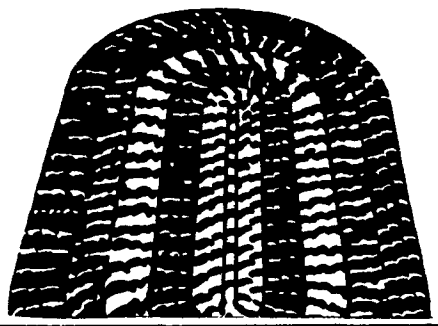

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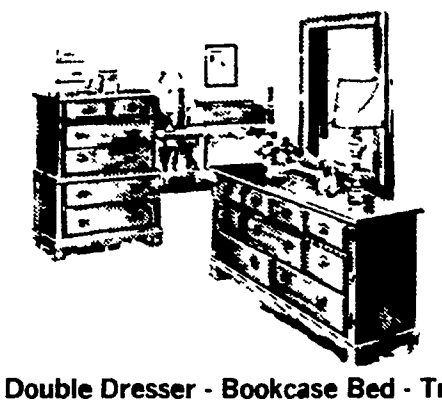

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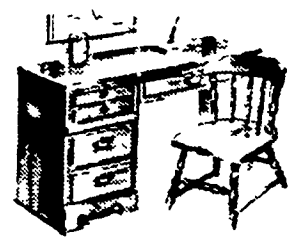

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Farm woman runs dairy farm

(Continued from Page B2)

husband's death. In 1972 the Baker farm was ranked tenth in the state Dawn remembers that particular year as Donald's best.

Keystone Farmer Degrees seem to run in the family The national organization of FFA presented the award to Dawn this year, because all three of her children have been distinguished with the degrees. In 1956, Dawn's husband captured the award while an FFA member at Spring Cove, the same school at which their sons were educated.

One of a minority in agriculture, Dawn, would like to see more women in the field.

"I think the younger girls making the decision to take FFA are tremendous. I don't think I would have done it in my high school generation," confessed Dawn. "I hope they go a long way if the opportunity is there and they're allowed to succeed."

To other women who want to farm, the accomplished farmer said, "If they think they can do it at all, then they can do it."

At the loss of her husband, Dawn admitted that she experienced what other widows have gone through. She feels a woman alone is very vulnerable and people take advantage of you. "That's why you must learn who to go to for advice and then listen to it."

She received some good help and very little negative response the first year on her own. Still amazed, Dawn says businesses never doubted her ability to farm and had much confidence in her.

The Holstein farm, nestled along the Tussey Mountain, has survived on established goals. Dawn firmly believes in short-term, intermediate and long-term goals.

Did she consider selling out? "That first week I had no other thoughts but that. If someone would have come and said I'll take this all off your hands, I would have said you may have it," laughed Dawn

She feels differently now, encouraging families to stay in agriculture. "Farmers are an intricate part of our whole system nationwide and worldwide."

This down-to-earth woman is sincere in her profession. "I'm proud that I'm a hayseed or a hick from Henrietta," joked Dawn. "I hope that I always stay one."

No matter how Dawn pictures herself, others see her as a very fine mother, and a leading dairy farmer. She's everything in one small, package – a farm woman.

The latest project on the Baker farm is the heifer barn. Built to house a hundred, it's now occupied by 64 Holsteins. Dawn believes that the open roof with the sun and air guarantees quality cattle.

Dairy products fit any diet

CAMP HILL — Shedding a few pounds and slimming one's waistline often become priorities when warm weather arrives. Dairy products can help in reducing calorie intake, and still provide many of the nutrients you need each day.

Dairy products are refreshing and tasty, but they have the reputation with some people as being high in calories. Actually, the have fewer or the same number of calories and more nutrients than many of the products used in their place

For example, butter and margarine have exactly the same number of calories - 34 - in one teaspoon (about 1/24th of a stick). The important difference to many cooks is, of course, the flavor. A calorie comparion of half-and-half and liquid coffee whitener gives similar results. One tablespoon (15 grams) of real half-and-half, which is a blend of cream and milk with 11.7% milkfat content, has 20 calories and offers 65 International Units (I.U.) of vitamin A One-half liquid ounce (also 15 grams) of frozen liquid coffee whitener contains the same amount of calories but only 13 I.U.s of vitamin A. All figures come from the United States Department of Agriculture.

No matter what type of diet you choose–weight reduction, sports- and fitness-oriented for outdoor activities, or a basic meal plan–there is always room for one natural flavor or milk. And there is at least one member of the family of milk that will enable you to enjoy this flavor.

Whole milk contains 150 calories per eight ounces and is a "nutrient dense" food, providing many nutrients in that one serving. Someone in your family might want to choose lowfat milk from milk's family. Lowfat milk with 2% milkfat has 121 calories per eight ounces; with 1% milkfat, 102. Again, for those on more stringent weight-reduction diets, skim milk with its 86 calories per eight-ounce serving makes an excellent beverage choice. All of these milks have approximately the same nutrient profile as whole milk, which makes them good buys in terms of both dollars and diet.

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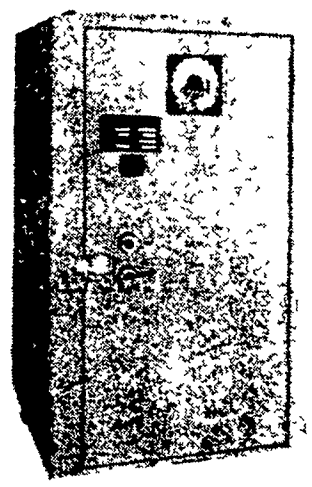

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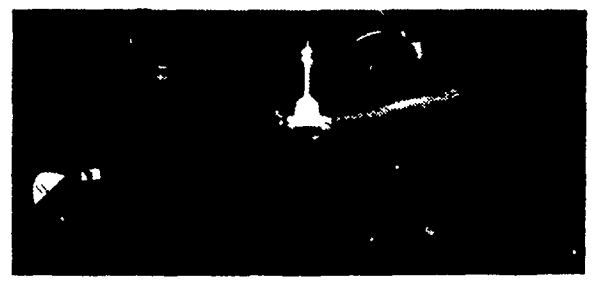

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Say "cheese" to prevent tooth decay

SOUTHAMPTON — There was a time when saying "cheese" was supposed to help your photos look better. Now cheese is being called a dental decay preventive.

In one or more than thirty research projects sponsored by National Dairy Council, scientists at the University of Minnesota have conducted tests that show certain cheeses apparently battle cavities by preventing sugar from forming acid layers on the teeth.

Dental disease, says Dairy Council Inc., of Southampton, Pa., affects about 98 percent of the population, and dental work costs Americans billions of dollars each year.

Though sugar or sticky-sweet foods are said to be the chief culprit in causing dental decay, a generally poor diet lacking in the essential four food groups can do almost as much harm by weakening gums and bones and leaving them susceptible to gum disease Needed in the diet are daily intakes of protein, calcium, and vitamins A, C, and D to develop oral tissues and teeth enamel

Cavities form when colonies of bacteria called dental plaque stick to the teeth, according to Charles Schachtele, a professor of dentistry and microbiology at the university, who is one of the scientists responsible for singling out the ability of cheese to act as a shield against plaque acid

In this research, Schachtele labeled seven cheeses as "friendly to teeth" because they produced little or no plaque acid and did not promote tooth decay These cheeses are aged Cheddar, Gouda, Brie, blue, Monterey Jack, mozzarella, and Swiss. He said these cheeses are "clearly among the few foods you can eat and be sure they don't damage your teeth "

As part of the research project, three human subjects had tiny acid sensors attached to their molar teeth The standard pH scale was used to measure acid The "resting" pH level before any food was chewed was 6 5 to 7 0 Any dip below 6.5 would mean the acid level had increased None of the seven cheeses allowed the acid level to dip

Another test was to determine if each cheese could shield the teeth from plaque acid. Participants chewed a small piece of each cheese, then swished sugar water in their mouths after each sample The results showed that aged Cheddar, Swiss, and Monterey Jack blocked the sugar from producing acid

Schachtele said that "once we define what makes the cheese apparently anticariogenic, we possibly could put the same substnce into other foods, opening the door to the creation of a line of foods that don't cause or can aid in preventing tooth decay "

He hopes to have an answer to the question within a year "

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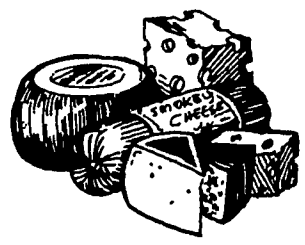
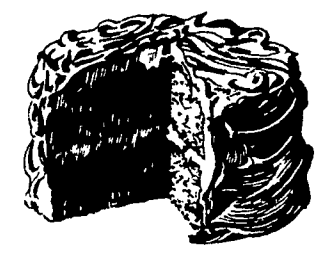


Home On The Range



Butter, milk, cheese adds up to good eating

June is dairy month — that makes June a month for good eating!

If you want to take part in the celebration and the good meals, try some of these dairy recipes, and look for more the entire month of June.

The response to our dairy recipe request was overwhelming, but we've tried to select a variety of tastes and textures this week to suit your mealtime planning.

HONEY DROP COOKIES

1/4 c. butter
3/4 c. honey
1 egg
2 c. flour
2 t. baking powder
1/2 t. salt
2 t. milk
1 c. chopped nuts
1 c. raisins chopped

Cream butter. Add honey and beaten eggs and beat until fluffy. Sift flour, measure and add salt and baking powder.

Sift again. Add chopped nuts and raisins to flour mixture. Add dry ingredients alternately with milk to creamed mixture. Mix thoroughly. Drop by teaspoons onto greased baking sheet, spaced 2 to 3 inches apart. Bake at 350 degrees for 12 to 15 minutes. Makes 4 1/2 dozen cookies.

Linda Fisher, Gordonville

ICE CREAM PUDDING

2 qt. vanilla ice cream
2 1/2 c. milk
2 boxes instant coconut or butterscotch pudding
2 c. Ritz cracker crumbs
1/2 pt. whipping cream

Soften 2 quarts ice cream, beat with milk and instant pudding mix. Put into large serving dish with cracker crumb nest. Save few crumbs for topping. Top with whipped cream. Delicious!

Charlene Rohrer, Cochranville

CHEESE AND ONION PIE

4 c. onion rings
1 T. butter
9 inch deep dish pie shell
1/2 lb. shredded cheddar
4 medium eggs
1 1/2 t. salt
2/3 c. evap. milk

Saute onions in margarine and layer onions and grated cheese in uncooked shell. Combine remaining ingredients and beat slightly. Pour over onions and cheese.

Bake at 400 degrees for 30 minutes. Cool 10 minutes and serve.

Pat Hennessey, Landisville

SWISS CHEESE SALAD

1 lb. Swiss cheese cubed
3 eggs, hard boiled
1/2 c. chopped celery
1/2 c. chopped green pepper

Toss together.

Mix:

1/2 c. mayonnaise
1 T. chopped chives
2 t. white wine vinegar
1 1/2 t. prepared mustard
1/4 t. salt

Stir dressing into cheese mixture and serve mounded on lettuce, garnished with cherry tomatoes and egg yolk.

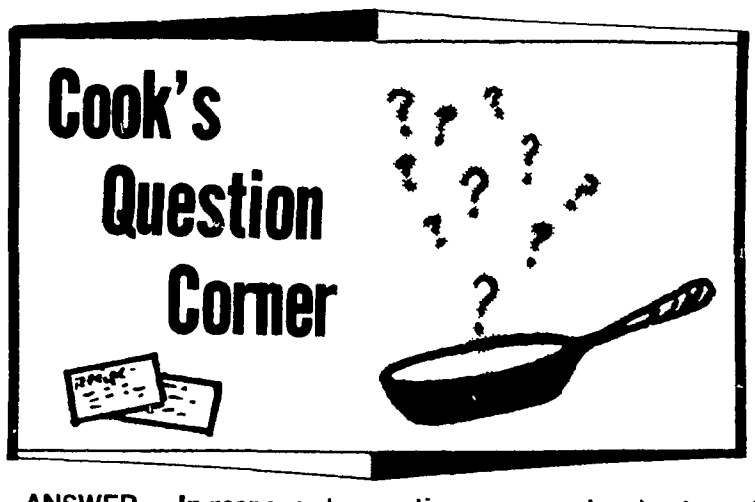
Mildred Spear, Manheim

EASY MACARONI AND CHEESE

3 T. butter
2 1/2 c. uncooked macaroni
1 t. salt
1/4 t. pepper
1/2 lb. sharp cheese, grated
1 qt. milk

Melt butter in 9x12 baking pan and pour macaroni into melted butter. Stir and coat macaroni well. Sprinkle salt and pepper and grated cheese over and stir together. Pour milk over all. Bake at 325 degrees for 1 1/4 to 1 1/2 hours. Do not stir while baking. Quick and nutritious. Serves 5 ro 6.

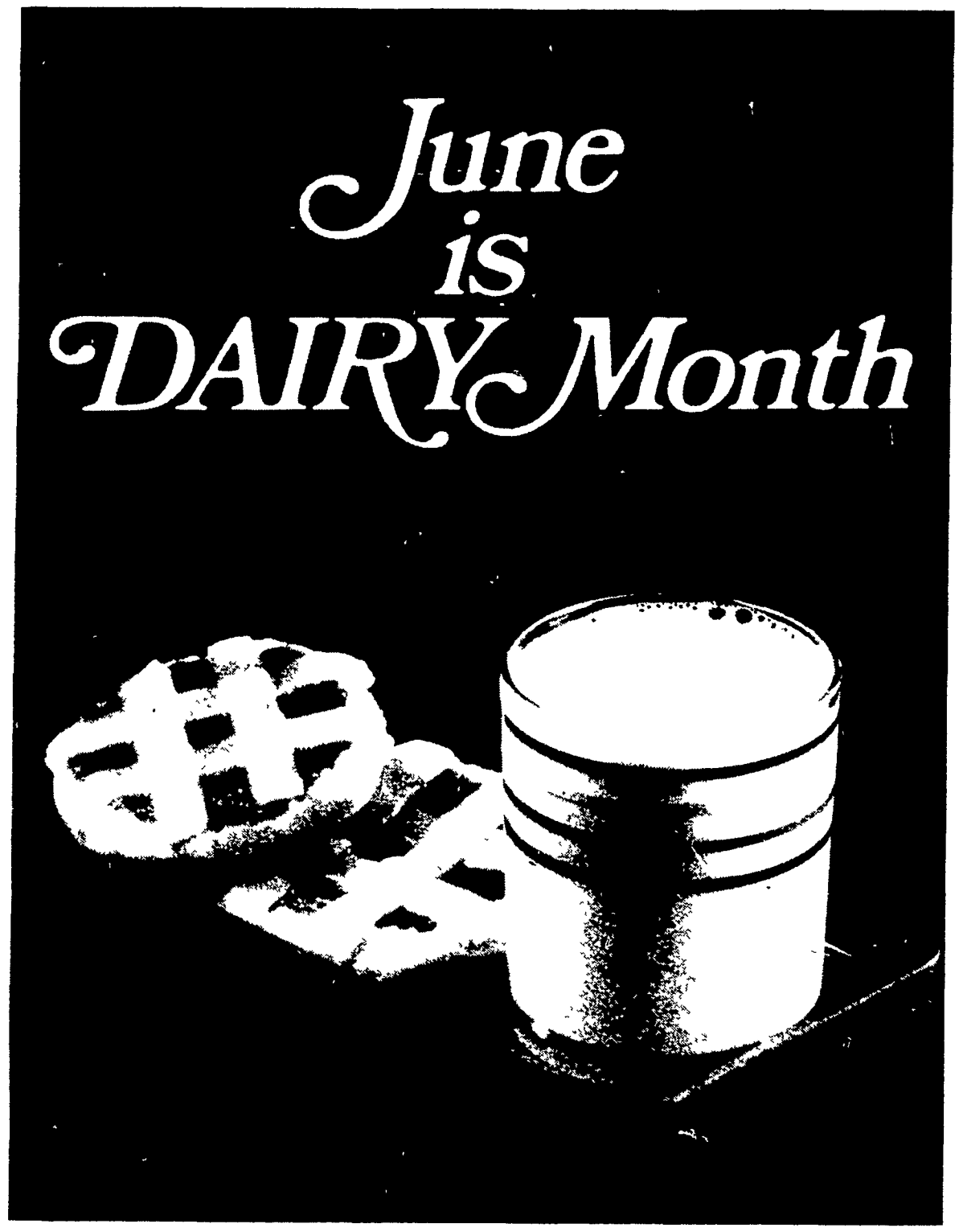
Arlene Nace, Quakertown



ANSWER — In response to questions on gooseberries from J. Markulies of Nazareth, H.R. Hershey replies, "You make pies with them when they are green. It takes a cup of sugar for one 8-inch pie, if you want a good pie. When they are pink we used to eat them raw as a snack.

Recipe Topics

June	
	Dairy Recipes all month!
July	
3	Picnic treats
10	Oh! the Strawberry



APPLE CREAM ONE—CRUST PIE

1 c. sugar
1 T. cornstarch
1/8 t. salt
1 egg
1 c. cream
1 c. applesauce

Blend the sugar, cornstarch and salt. Add the egg and beat until smooth. Add the cream and applesauce and pour into a pastry shell which has been partially baked in a hot oven (450 degrees) for 6 to 8 minutes. Reduce to 325 degrees and bake until the center of the filling is firm to the touch. Cool, then top with whipped cream.

Marguerite Barford, Augusta WV

IMPOSSIBLE PIE

1 1/2 c. sugar
1/2 c. Bisquick mix
1 c buttermilk
1/3 c. melted butter
1 t. vanilla
3 eggs

Heat oven to 350 degrees. Grease a pie plate. Beat all ingredients until smooth — 30 seconds in blender or on high speed 1 minute with hand beater. Pour into plate, bake until knife inserted into center comes out clean, about 30 minutes. Cool 5 minutes. Serve with fresh fruit if desired.

Kathy Jessick, Elysburg

GOURMET POTATOES

6 medium potatoes
2 c. shredded cheddar cheese
1 1/2 c. sour cream
1/3 c. chopped green onion
1 t. salt
1/4 t. pepper
1/4 c. butter
paprika

Cook potatoes and cool. Over low heat, combine cheese and 3/4 c butter. Stir until almost melted. Blend in sour cream, onion and seasoning. Mix into potatoes and turn into a greased 2 quart casserole dish. Bake 30 minutes or till heated thoroughly in 350 degrees. Sprinkle with paprika when ready to bake.

John Martin, Elizabethtown

FRUIT COCKTAIL CREAM CAKE

1 1/4 c graham cracker crumbs
1/4 c. sugar
6 T. butter

Combine and reserve 2 T. for top. Press remaining crumbs on bottom and sides of 1 1/2 high buttered 8-inch springform pan.

Combine:

2 c. dairy sour cream
2/3 c. sugar
1 t. vanilla
1 17-oz. can fruit cocktail, drained

Pour into crumb crust, top with reserved crumbs and bake in 350 degree oven for 20 to 25 minutes or till set. Chill thoroughly.

Mrs. Ray Seidel, Lenhartsville

HAMBURGER AND CABBAGE CASSEROLE

1 medium size head cabbage
2 lb. hamburger
1 onion
4 T. butter
4 T. flour
2 c. milk

Shred cabbage into bite sized pieces and cook in salt water ten minutes. At same time, brown hamburger with onion (chopped). In other pan, make a white sauce by melting butter, adding flour and milk. Thicken stirring constantly. In large casserole, layer drained cabbage, and hamburger. Top with white sauce. Then add buttered crumbs, if desired. Bake at 350 degrees until bubbly and brown 1/2 hour or longer.

Carolyn Hess, Lititz

QUICK TAPIOCA

Mix together the following:

3 T. tapioca
1/3 c. sugar
1/8 t. salt
1 egg, beaten
2 3/4 c. cold milk

Let stand 5 minutes or more. Bring to a full rolling boil stirring constantly. Take off stove. Add 3/4 t. vanilla. Stir. Let set for 20 minutes then stir again.

Carol Fahnestock, Lewistown, ME

(Turn to Page B8)

June is dairy month

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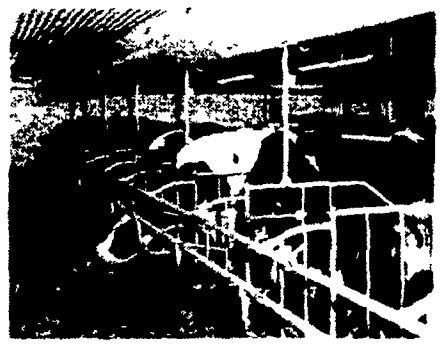

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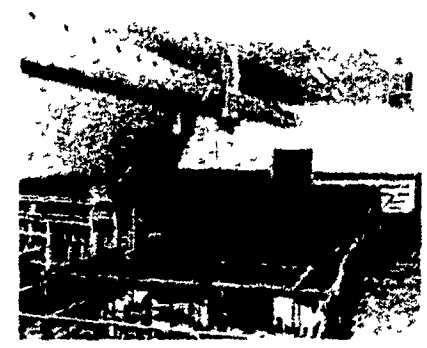

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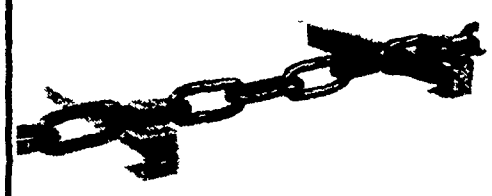

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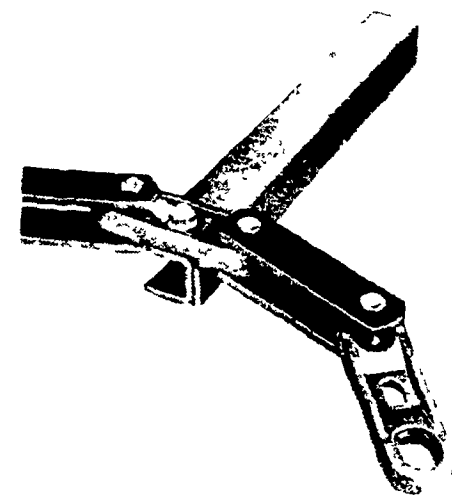

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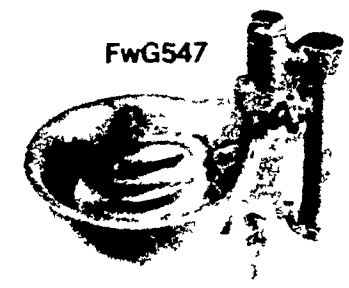

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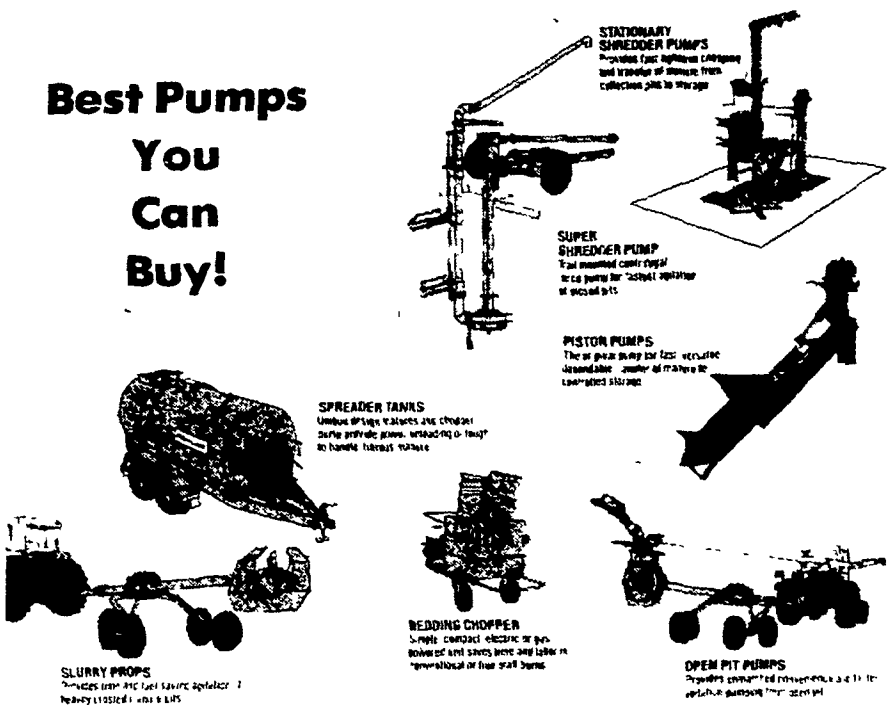

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Home On The Range

(Continued from Page B6)

ECLAIR CAKE

Butter a 12x8x1 1/4 dish. Line it with graham crackers.
2 small boxes French vanilla pudding
3 1/2 c milk
9 oz. container of whipped topping
Mix together. Layer 1/2 mixture on top graham crackers. Layer graham crackers. Layer rest of mixture. More graham crackers
Place in refrigerator for at least 2 hours.
Topping:
1 sq. chocolate melted
2 T. white corn syrup
3 T. butter
3 t. vanilla
3 T. milk
1 1/2 c. powdered sugar
Mix together and spread on top of graham crackers.

Marcella Barkman, Breezewood

SPINACH-ONION QUICHE

1 c. flour
1 c. milk
1/4 lb Swiss cheese, grated
1/2 t. salt
1/2 c. butter
2 to 3 T. cold water
3/4 c. chopped onion
2 T. butter
1 pkg. frozen chopped spinach, cooked
5 to 6 strips bacon, cooked, crumbled
1 c. beaten eggs
1/4 t. white pepper
1/8 t. ground nutmeg
Combine flour and salt. Cut in butter until it resembles coarse meal. Stir in water. Form pastry into a ball. Roll out dough to fit nine inch pie plate. Bake 10 minutes at 400 degrees. Saute onions in 2 T. butter until transparent, not browned. Stir in cooked, drained, spinach. Spread on bottom of baked pie shell. Sprinkle bacon pieces over spinach. Combine eggs, milk, cheese, pepper and nutmeg. Pour over spinach mixture. Pie crust edges may be covered with foil strips to prevent browning. Bake 30 to 40 minutes at 375 degrees Cool 10 minutes before serving.
For variety: substitute ham for bacon

Diane Peifer, Woodbury, GA

YOGURT RAISIN COOKIES

1/2 c. softened butter
1 c. packed brown sugar
1 egg
2 c. sifted flour
2 t. baking powder
1/2 c. yogurt
1/2 t. salt
1/2 t. baking soda
1/2 t. nutmeg
1/2 c. raisins
3/4 c. chopped nuts
Cream butter and sugar until light. Beat in egg and add sifted dry ingredients alternately with yogurt. Beat until smooth; stir in raisins and nuts. Drop by teaspoons onto lightly greased cookie sheet. Bake in 400 degree oven, ten to twelve minutes. Makes 48.

Barbara Russell, Pine Bush, NY

FROZEN STRAWBERRY PIE

1 1/2 c. vanilla wafer crumbs
1/2 c. finely chopped nuts
5 T butter, melted
Filling:
1 1/2 c. sliced strawberries
1 c sugar
1 egg white
1 c. dairy sour cream
Crust: Combine crumbs, nuts, and butter. Blend with spoon. Press firmly and evenly on bottom and sides of plate. Bake 8 to 10 minutes. Cool.
Filling: Combine berries, sugar, and egg white in a mixing bowl Using an electric mixer, beat at high speed until soft peaks form, about 10 minutes. Gently fold in sour cream. Mound into crust. Freeze. Serve with more berries if desired. Could also be made with raspberries.

Mrs. John Kelley, Hadley, MA

Farm Women Societies

Lancaster Co. Society 5

Lancaster Farm Women 5 met Saturday, May 29, at the home of Matilda and Elizabeth Norkman of East Petersburg with 22 members attending.

Speaker for the evening was Lavern Yutsy from Philhaven discussing mental health

The Society will take a bus trip to the Moyer Packing House and the Hatfield Packing House in late June or early July.

The next meeting is scheduled for June 26 at the home of Thelma Debord of Lititz

Berks Co. Society 7

Berks Farm Women 7 met at the home of May Blatt of Robesonia. Nine members were present.

The Society will be sending two children to camp from the Hamburg State School.

The June meeting will be held at the home of Pat McKinney.

LEMON CHEESE CAKE

Crust:
1 1/4 c. graham cracker crumbs
1/4 c. butter
1/4 c. sugar
Make crust and press in pan. Bake at 375 degrees for 8 minutes. Cool.
Filling:
1 pkg. (8 oz.) cream cheese, softened
1 box lemon instant pudding mix
1 1/2 c. milk
Cream the cheese. Blend in milk slowly till smooth. Add pudding mix and mix till well blended. Pour into graham cracker crust. Chill 1 hour or until firm enough to cut.

Mary Koontz, New Enterprise

QUICK FUDGE FROSTING

1/2 c. soft butter
1/2 c. milk
1/2 c. cocoa
1 egg
1 1/2 t vanilla
4 to 5 c. powdered sugar
Place butter in bowl and beat slowly with electric beater, adding cocoa and sugar. When mixture becomes slightly thickened, add whole egg. Continue adding cocoa and sugar alternately with milk. When thick and fluffy, add vanilla and spread on cake. Makes enough frosting for 2 layer cakes. Store in refrigerator.

D. Hoag, Malvern

Lancaster Co. Society 11

Lancaster Farm Women 11 met at the Mechanics Grove Church of the Brethren, May 27, with Society 3 as guests.

Donald Cairns was speaker for the evening.

The next meeting will be a covered dish picnic at the Hutnagle Park, June 24. Families and county officers have been invited

Berks Co. Society 11

Berks Farm Women 11 met at the home of Jean Erb, R2 Bethel on May 24.

The meeting for the evening was a safety discussion on first aid by Linda Zimmerman

She discussed several ways to handle burns, poisons, different cuts and bleedings.

The Society has a family outing and a camping weekend planned for August.

The next meeting will be June 28 at the home of Fran Dubble

York Co. Society 12

York Farm Women 12 met at the Fiddler's Building near Brogue. Seventeen members and two guests attended.

The Society made $42.50 from the plant and bake sale.

The Society is invited by Society 19 to a dinner at the Glen Rock Lutheran Church, Thursday, June 10.

The next meeting will be a family picnic at Long Level.

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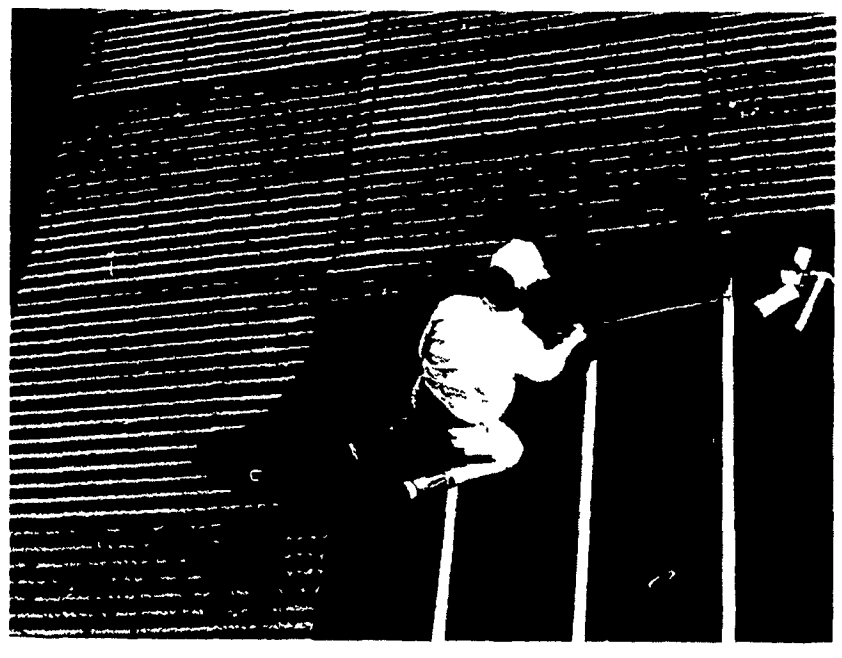

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Ladies Have You Heard?

By Doris Thomas

Lancaster Extension Home Economist

Don't Buy Blind

These days, buying furniture is serious - few of us can afford to make mistkes Yet many consumers are buying blind because they don't know how to judge quality. It's often quite difficult to see the difference between a well-made piece and just a high-priced one. Good and bad furniture comes in all sizes, descriptions, and price ranges.

There are four clues to judging the quality of upholstered furniture. Investigate these and you will be a wise buyer

— Look at the tailoring – if the outside workmanship is sloppy, the inside may be too Make sure the seams are strong and straight and that the fabric is well matched Cushions should fit snugly into corners and there should be no lumps at all Generally, cushions with welt cording at the seams wear better than those with butt seams Furniture with loose seat and back cushions give extra wear because you can turn them over

— Look at the fabric – tightly woven, knit, or tufted fabrics wear longer than thin or loosely constructed fabrics Light weight fabrics can be durable if quilted Read all the tags to know if the fabric has been treated to repel water and stains and if it carries a wear warranty Furniture arms should be made of exposed wood or, if upholstered, should be covered with an extra set of arm covers

— Look at the construction – since you can t see inside you'll have to feel, read the labels and ask questions First ask about the warranty in case of defects in workmanship or construction Higher quality furniture is usually made with polyurethane foam as cushioning and polyester fiberfill as filling material

– Try it — if it s comfortable well padded, sturdy, and you like the shape and design you may have found the piece you were looking for It s better to ask a few more questions than to buy blind and be sorry You will probably live with the furniture you buy for many many years

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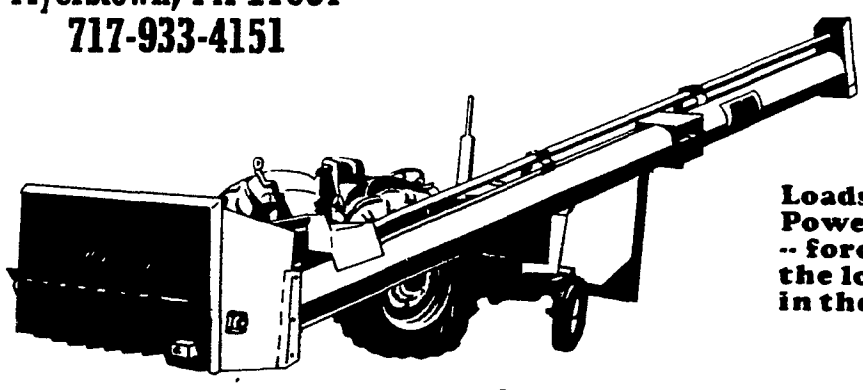

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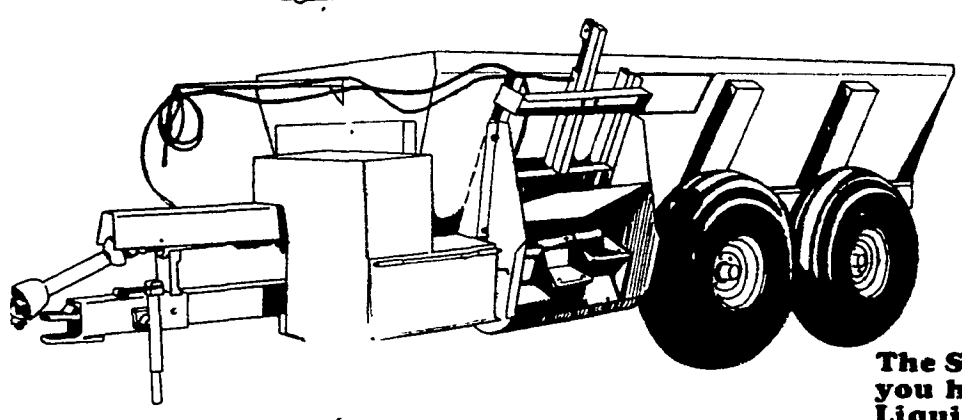

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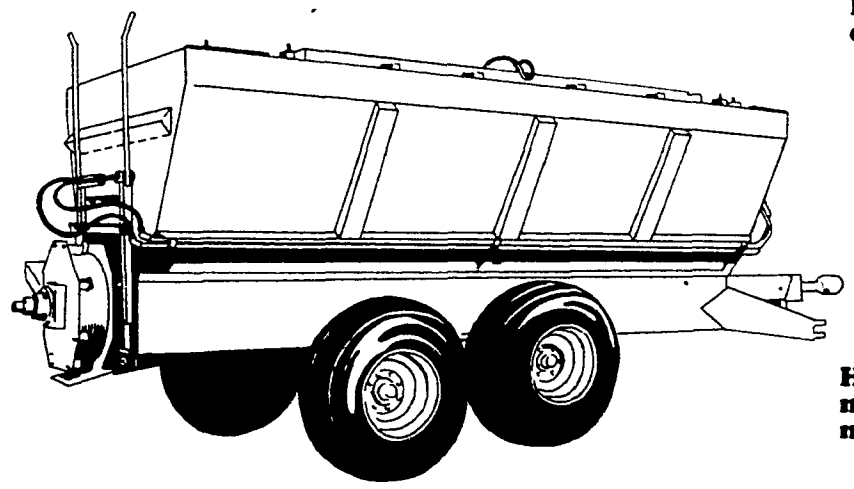

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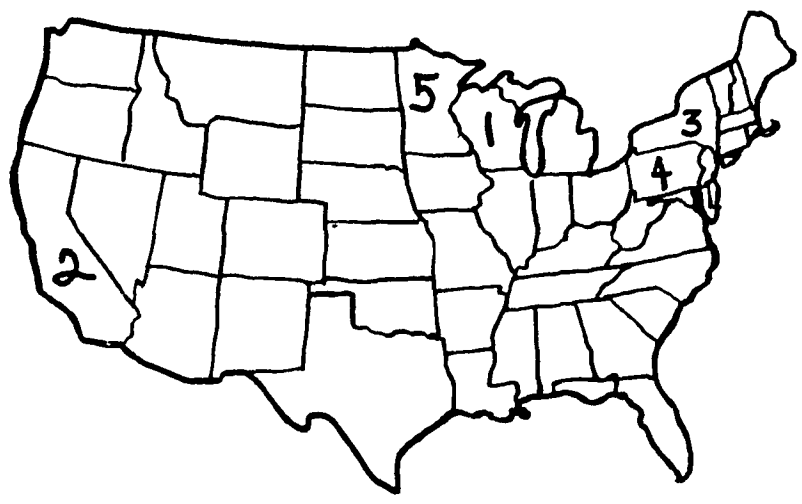

Dairy month celebrates milk

Kids, can you name the top five milk producing states? They are numbered correctly from one to five on the map and are listed below, scrambled. Before turning to a map, give mom and dad a chance to guess. Remember, these five placings are according to income produced from milk, not just amount of milk produced, in which case numbers 4 and 5 would switch places.

nowcinsis

navilsyanepn

filnacoria

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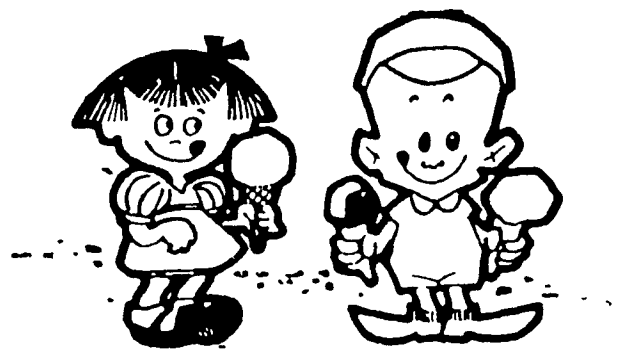
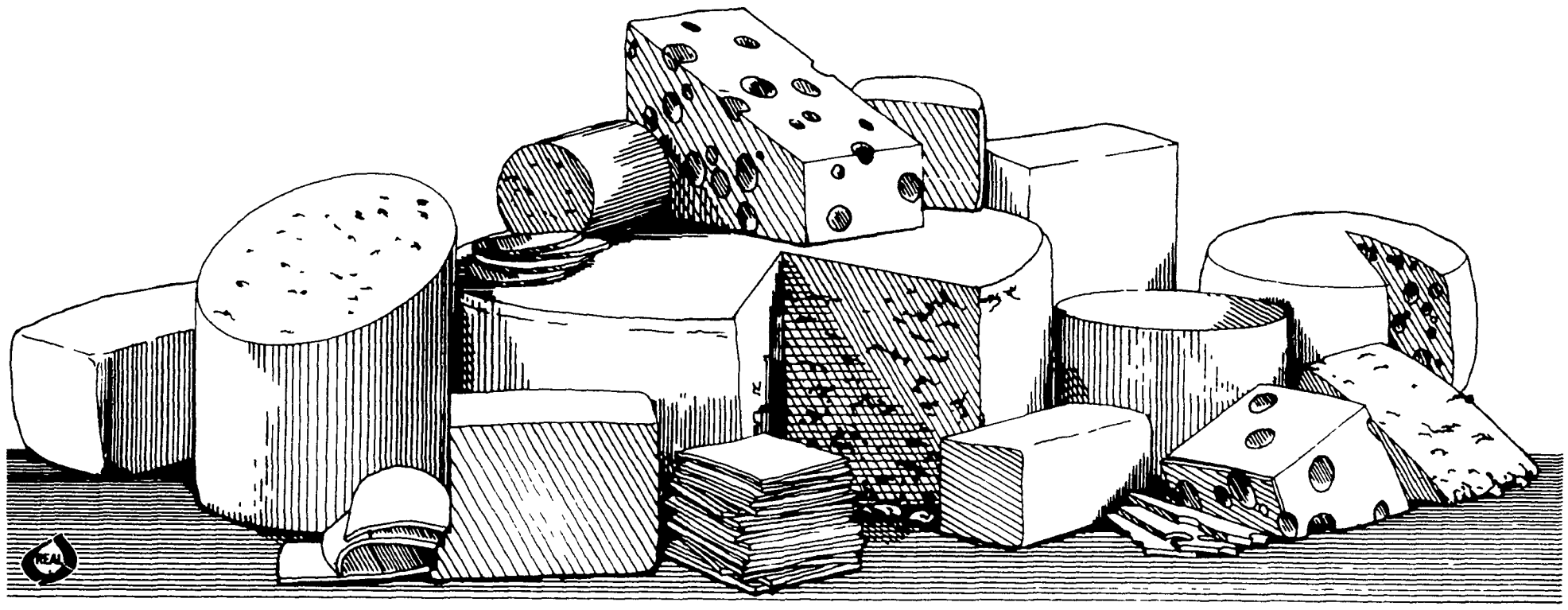


Dairy month honors ice cream

Can you find your favorite ice cream flavor? This favorite of the dairy group is loved by young and old alike. Ice cream is a fun way to take in all the nutrition the dairy group has to offer, yet still enjoy a cool, creamy snack. Tell mom ice cream is great as a mid-day snack or dessert.

Dairy month applauds cheese



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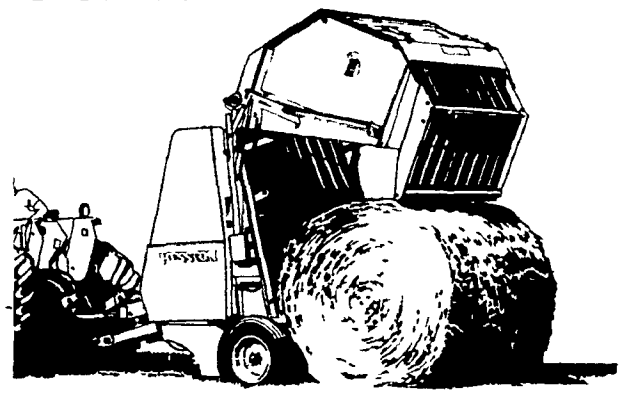

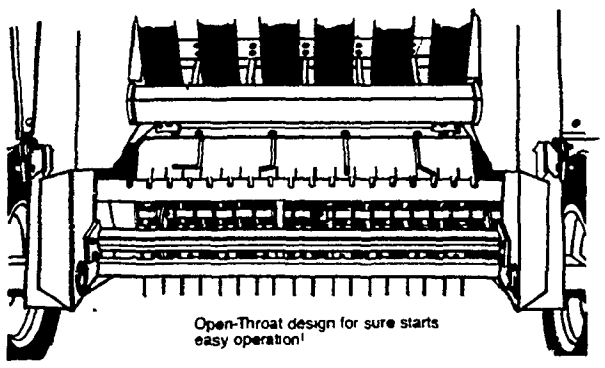

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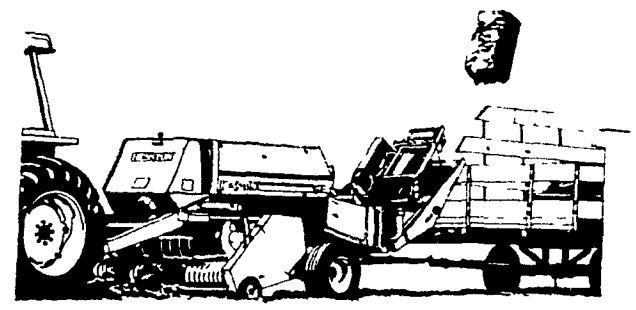
The 5540 builds 4' by up to 6' dia bales — at up to 10 tons per hour*

The 5510 builds 5' by 5' dia bales — at up to 8 tons per hour*

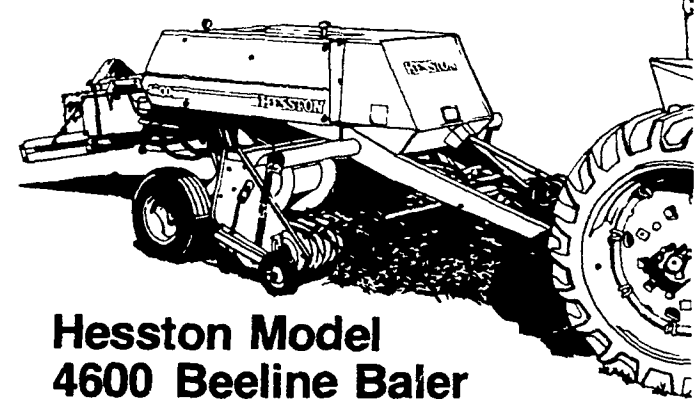
There's a Hesston Round Baler to fit your operation with features that can't be equalled anywhere else in the industry

*Depending on crop and moisture conditions

There's no other small baler like it!



Hydraulic-driven bale thrower (optional) saves time and labor.



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June is dairy month

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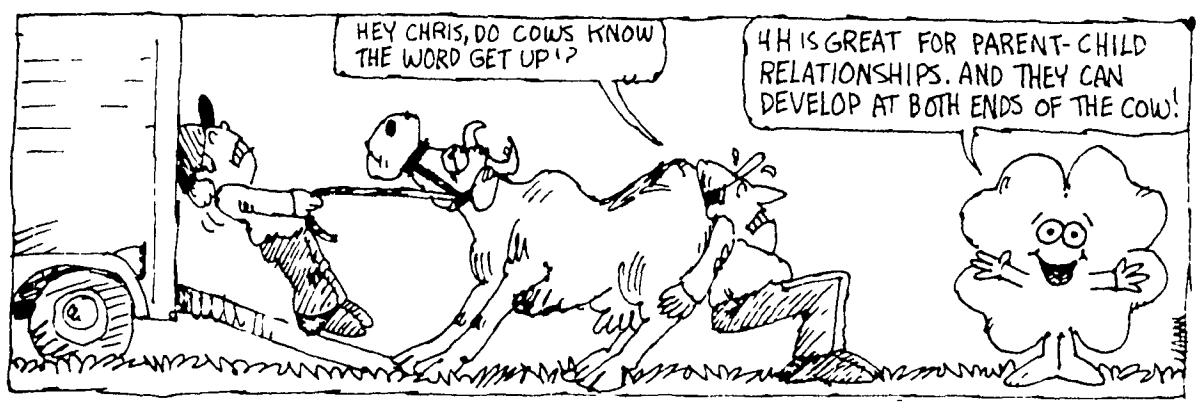
HEY CHRIS, DO COWS KNOW THE WORD GET UP!?
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Thomasville 4-H meets

SPRING GROVE — The Thomasville 4-H Club met at the 4-H Center near Bair on Tuesday, May 25

The program featured demonstrations given by Jenelle Boyer and Bridgette Boyer in the junior category Mike Welsh, Ron Horn Jr and Rob Haskins presented their senior category demonstrations

The Club will be paying $10 toward each member's fee to attend 4-H camp in Nawakwa in Adams County, June 15 — 18

The next meeting will be held June 29 and will feature the dairy club

Solanco 4-H meets

QUARRYVILLE — The Solanco 4-H club met, May 25, in the Hoffman Building in Quarryville.

The club will be taking a fun day to Hershey Park soon

Speakers for the evening were guards from the Lancaster County Prison giving demonstrations on how guard dogs attack upon command

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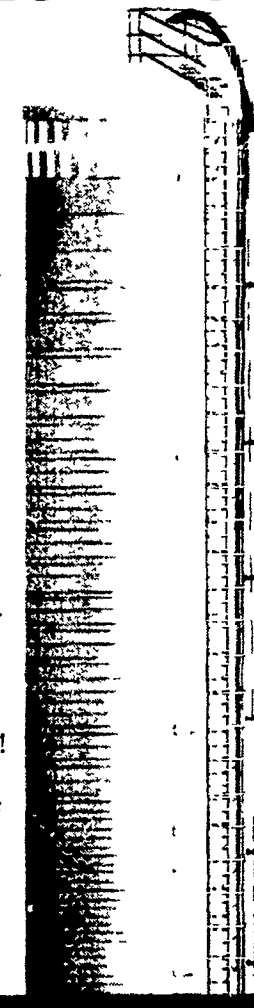

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IMPCO shippers vie for YC title

SOUTHAMPTON — Nineteen Young Cooperators were selected and will participate in an Outstanding Young Cooperator Contest, scheduled June 23-24 at the Hershey Lodge and Convention Center At this contest, five Young Cooperators will be named to Inter-State's Young Cooperator Consultant Committee Each will serve three-year terms coordinating Inter-State's Young Farmer Program

Each contestant will attend the contest, as well as Inter-State's 1982 Annual Meeting, expense-paid The top two couples will attend the National Milk Producers' Federation annual meeting in Detroit November 28-December 3. The other three of the top five couples will attend the American Institute of Cooperation's National Leadership Institute at Purdue University August 2-5.

The contestants are Roy and Geraldine Hoppes of Mohrsville, Theodore and Penelope Fox of Woodstown, NJ, Barry and Sandra Neff of Quarryville, James and Susan Saathoff of Denton, Md , Tom and Janice Denlinger, of Leola, Ernest and Sandra Klinger of Klingerstown, Andrew and Linda Inhot of Spring City, Roy and Elizabeth Crow of Kennedyville, MD; William and Judith Parry of Oxford; Steven and Susan Neff of Quarryville; Donald and Paulette McMahon of Petersburg; Paul Ritter of Muncy, David and Rita Kauffman of Atglen, Thomas and Shayne Dumm of Landisburg, Loren and Wanda Yoder of Belleville, Dennis and Teresa Brumbaugh of Martinsburg, Charles and Jonna Baker of Bedford, Timothy and Marcia Brown of Littlestown, Wayne and Loudenis Beidel of Newburg

Local youth conservation school scheduled

LANCASTER - Openings are still available for the 1982 Lancaster County Youth Conservation School which will be held August 1 to 7 at the Northern Lancaster County Fish and Game Association Grounds

Jointly sponsored by the Lancaster County Conservation District and the Lancaster County Federation of Sportsman Clubs, the co-educational school provides a unique experience for youth aged 14 to 16

Professional foresters, game and fish commission personnel agronomists, naturalists, and biologists provide instruction in various conservation areas, and there is instruction in fun things, such as fishing, shooting, and hiking Many of the local sportsman clubs in the County offer full or partial scholarships to interest boys or girls

Anyone interested in sponsoring a student (at $65 for the week) or interested in attending should call the Lancaster County Conservation District at 717-299-5361 Deadline for the camp is June 15 and enrollment is limited to 85

F.W.S. Calendar

Saturday, June 5

Lancaster Society 1 meets for a program on flowers and plants by James Nearhoof

Lancaster Society 6 meets at the Brethren Village, program by Leah Zuck

Tuesday, June 8

Lancaster Society 22 meets for tea and sandwiches with Loraine Rohrer

Wednesday, June 9

Lancaster Society 33 meets for a tour of Lancaster General Hospital

Lancaster Society 14 meets at the Farm and Home Center to entertain Society 6 and the county officers

Thursday, June 10

Lancaster Society 21 meets for miniature golf at the Village Greens in Strasburg

Saturday, June 12

Lancaster Society 19 meets to hear Grace Miller

Lancaster Society 2 meets to hear the Denver/Ephrata Telephone representative on problem phone calls

Lancaster Society 10 meets to hear Nancy Heiller from the Pilot Club

Lancaster Society 25 meets to visit Rock Ford Plantation

Maryland holds dairy bowl event

COLLEGE PARK, Md — Eastern Shore teams won both the senior and junior divisions of the seventh annual Maryland 4-H Dairy Bowl knowledge competition, held recently on the University of Maryland campus at College Park

The champion senior team came from Kent County, and the top junior team hailed from Cecil County Montgomery County had the runner-up senior team, and Baltimore County had the second-place junior team

Members of the winning senior team were Susan Sutton, 17, of Chestertown, Robin Hill, 17 of Kennedyville, Holly Freeman, 18, also of Kennedyville, and Raney Debnam, 14, of Worton Freeman was the team captain

Team coach was James M Downes, county Extension 4-H youth agent at Chestertown He was assisted by Roy W Crow of Kennedyville, a Kent County dairy farmer The team is now eligible to represent Maryland in the national 4-H dairy bowl contest, to be held November 5-7 during the North American Dairy Show at Louisville, Ky

Members of Cecil County's state champion junior 4-H dairy bowl team were Diane Moore, 13, of Calvert, Karen Knutsen 13 of Rising Sun, David Fell, 12, of Calvert, and Lisa Davis, 14, of Earleville

Virtually the same team had placed second in the junior division of the 1981 Maryland 4-H Dairy Bowl

Franklin lamb and sheep club names officers

CHAMBERSBURG — The Franklin County 4-H Lamb and Sheep Club recently named its new officers

Elected were president Zoe Wildeson, James Good, vice president, Connie Stull, secretary, James Martin, treasurer, and David Keener, news reporter

The club meets on a monthly basis at the county Extension office

Recently, Dr Brian Woodward of the Chambersburg Animal Hospital spoke to the 24 club members about internal and external parasites of sheep

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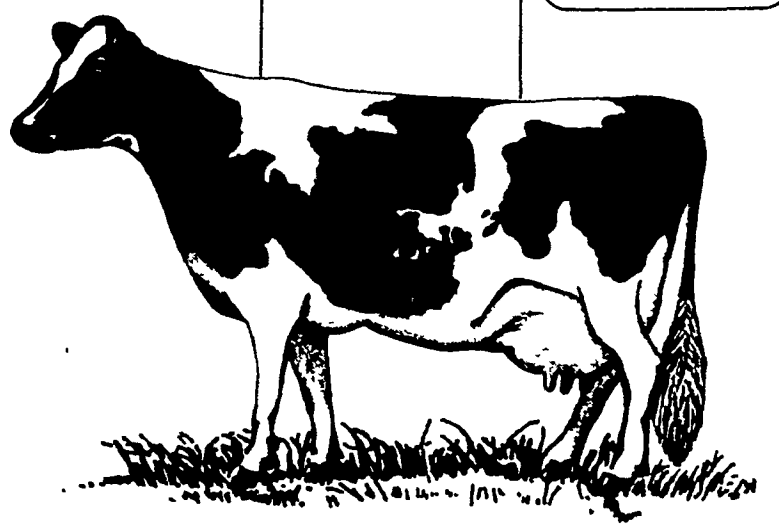

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BEST IN DESIGN, PRICE AND EXPERIENCE

First graders discover the official drink

BY SALLY BAIR
Staff Correspondent

MOUNT JOY — Milk is now the official state drink in Pennsylvania, but despite widespread publicity there are some segments of the population who are still finding out about it.

A very unscientific survey of one first grade class at Farmdale Elementary School in the Hempfield School District in Lancaster revealed that while none of them knew the state flower or the state tree, a few guessed correctly that milk was the state drink (It's not surprising they don't know these things since Pennsylvania history comes up in the fourth grade, and that grade did learn about milk as the state drink)

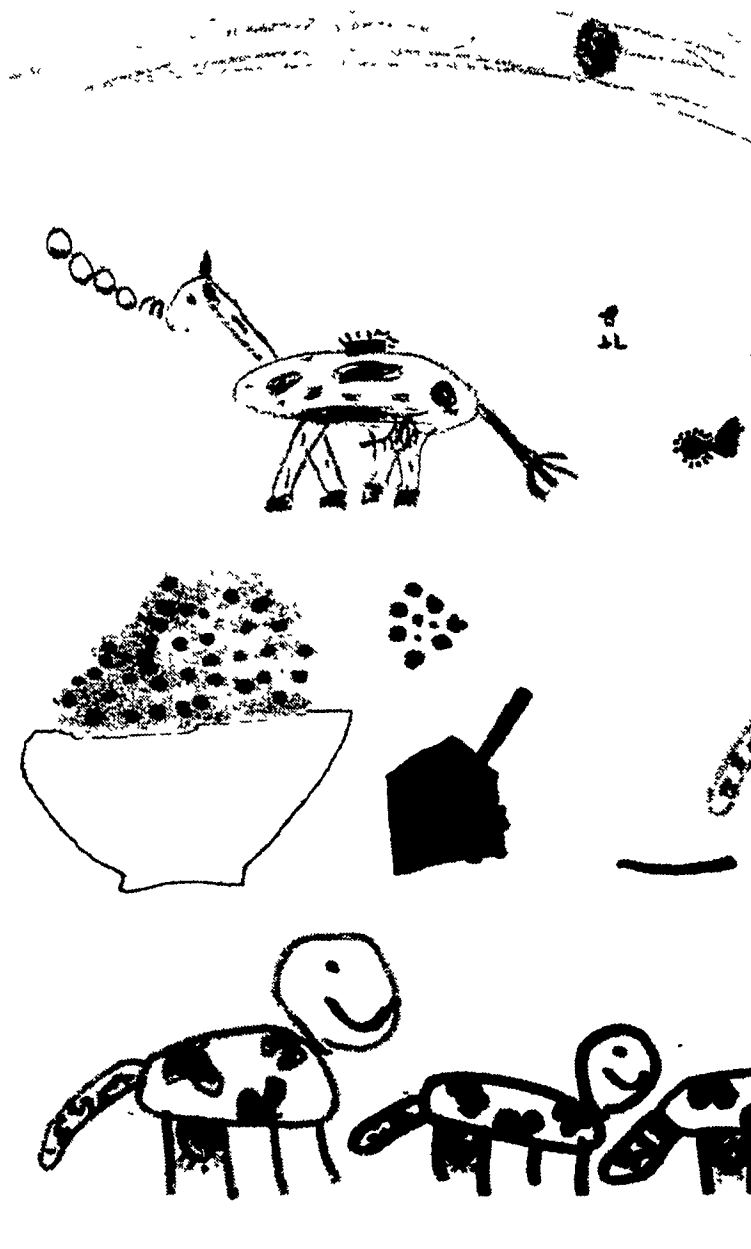
The first one to respond to the question of the state drink suggested it was water. That's a pretty good guess because there's lots of that this spring, and at least it is not one of those carbonated beverages

The second child to guess was J J. Helm who correctly said milk When questioned about this knowledge he admitted, "I didn't know but I just guessed that it was milk because it is good for you "

Now there is a first grader who is going to go places

These first graders at Farmdale Elementary School offer a milk toast saluting June Dairy Month with Pennsylvania's official beverage.

Cynthia Artz, teacher, pours as the groups anticipates the refreshing glass of milk.



First graders interpret their views on cows and the dairy industry through art.

A second child knew for sure that milk was the state drink but since he is the son of this writer he was disqualified for having heard me making arrangements with his teacher

One thoughtful child questioned, What was it before?"

The rest of the class enthusiastically agreed that milk was probably a good choice and they all nodded in agreement that people will probably drink more milk now that it is the official state drink. That's good news for the dairy industry!

Robin Wolfinger, 7, explained why milk is the state drink "It has vitamins and minerals and doesn't have any sweets." Robin thinks she drinks 10 glasses of milk a day, mostly in the morning and says, "It makes me feel good."

Dairymen will be pleased to know that some children in the class claim to drink up to 11 glasses a day. If that is so, how can there be a surplus? The surplus must come from those who think they drink just one glass a day. Or more likely, from children like the two boys who said they didn't like milk. This did not keep them from drinking milk when it was offered as a refreshement, or from taking seconds!

There was a lot of uncertainty about the amounts of milk actually being consumed, but Eric Shopt, 6, really likes it, saying, I drink three or four - or maybe five glasses every day "

Seth Bair, 7, was non-committal about his like for milk, but did say that strawberry milk is his favorite and volunteered some information for the others, "I know how many glasses you should drink in a day - three."

Timothy Myers, 7, said he was pleased that milk was selected as the state drink, adding, "I like milk. I like milkshakes too. I make them in little glasses with ice cream. It tastes really good." He also demonstrated how he shook the little glass with the milk and the ice cream by placing his hand over the top of the glass - it sounds messy, but he seems to think it's a good way!

Andy Strube, 7, differed from some of his classmates by admitting forcefully, "I hate chocolate milk. I drink milk when I

(Turn to Page B15)

Milkshakes make school lunches fun, plus nutritious

BY JOYCE BUPP
Staff Correspondent

HAGERSTOWN, Md. — While schools across the country continue to watch declining numbers in their school lunch programs, Washington County, Maryland high school cafeterias are packing them in.

The reason for the resurgence of teens buying lunches in these western Maryland schools is largely summed up in one word: milkshakes.

At Washington County's seven high schools, milkshakes are served free with the 95-cent lunch entree cost. For the relatively few who carry their lunches, or choose not to eat a full meal, a milkshake can be purchased at the cost of 60 cents

The purpose of offering milkshakes in our school lunch program was not to sell milkshakes, but to increase participation in eating the nutritious, balanced lunch-program meal," says the county's school food service manager Don Trumble

Trumble, a former food service specialist with the Holiday Inn motel chain, has been with the school district for a dozen years, first as a food service instructor and then heading the lunch program

The school lunch program is self-funded. As government budget-cutting at state and federal levels has reduced financial aid, lunch cost per student escalated. And, as the cost climbed, the lines through the cafeterias grew shorter.

Concerned that students were eating fewer and fewer nutritious lunches, Trumble hit upon the enticement of serving milkshakes as part of the full meal, encouraging students to buy the complete, balanced lunch.

Stiff federal guidelines on the lunch program spell out that the meals must include certain amounts of dairy products That meant a milkshake had to meet the per-meal ounce serving level, plus being tasty, and served with sufficient speed and volume to fit into tight lunch period scheduling

After extensive research and questioning, administration and board members agreed to go along with funding the milkshake machines Introduced into the first trial cafeterias last September, the milkshakes were an instant, resounding success After a full school year of chugging down shakes, students are as enthusiastic as ever, carrying away nearly 3,200 milkshakes per day

The kids thought they were fantastic," recalls Trumble Initial concern by parents, and again recently by a group of area dairy producers, that the shakes were some sort of imitation product that has been overcome after the shake mix content was explained.

Federal guidelines require that eight-ounces of low-fat milk per meal be served, while whole milk may be offered as well. Each shake meets at least that

(Turn to Page B16)

Few students go through the Washington County, Md high school cafeteria lines without taking a milkshake. But some of the popular dairy drinks never even make it out the door to the dining area. As a result of the milkshake machine introduction, more students are buying school lunches again.

First graders like milk

(Continued from Page B14)

have cereal " Andy was one of the few children who had actually milked a cow That learning experience, he says, now has him drinking more milk than ever

The correct guesser, J.J Helm, made it clear that he likes milk "both ways." When questioned what that meant, he said, "Chocolate or plain." He said he drinks it "when I feel like drinking it. Sometimes when I have chocolate chip cookies I like to dip them in milk."

There was just one child who lived on a dairy farm from this class of 22 children. Nevertheless, they were happy to learn that June is dairy month, and they were quick to point out the many dairy products made from milk. They mentioned sour cream, cottage cheese, yogurt, butter, cream, cream cheese and, of course, ice cream. Almost everyone agreed that ice cream is one of their all time favorite dairy products.

Heather Miller, 6, and her friend Megan MacVaugh, 6, varied from their classmates in their choices of favorites. Heather said, "I like cottage cheese." Since I found this a little unusual for a first grader I questioned her how she liked to eat it and she replied with the innocence of a six-year-old, ' in a bowl " So much for clever questions. Megan said she drinks milk at lunch, dinner and breakfast," but said cream cheese is one of her favorites, 'with jelly I had it for lunch."

Another independent thinker was Lori Epply, who said, "I like whipped cream " Where' "On cake." She also said she drinks four cartons of milk a day. Are they large cartons' Yes, she nods solemnly.

Andrea Sides, 7, says she drinks milk every day, and mint chocolate chip ice cream is her favorite.

The only farmer in the group, Alan Groff, 7, is a great fan of ice cream and have several favorites, including strawberry, mint chocolate chip and raspberry

When it came time for picture taking, and milk was distributed, everyone was clearly delighted With their teacher, Cynthia Artz, pouring, the children kept clamoring for refills until the last drop was gone.

This class will not quickly forget that milk is the official state drink and when they get to fourth grade they'll be one step ahead They also got an early start on celebrating June Dairy Month!

Drink a nutritious toast to dairy month

CAMP HILL — June Dairy Month celebrates its 46th birthday in 1982. This annual event began in 1937 when June was selected as the most productive month in the dairy calendar Since that time May has become the month with the highest milk production figures, but June is still celebrated because of tradition

It's easy to drink a toast to June Dairy Month with these nutritious summer coolers made with milk, ice cream and fresh fruit

BANANA COOLER

2 medium-sized bananas, sliced
2 tablespoons honey
2 cups cold milk
1 pint vanilla ice cream, softened

Place bananas, honey and a small amount of milk in blender container, cover Puree until almost smooth Add remaining milk and ice cream. Blend until smooth and frothy, about 1 minute Serve immediately in tall chilled glasses garnished with a banana slice

STRAWBERRY COOLER - substitute 1 cup fresh sliced strawberries for bananas

PEACH COOLER

2 cups peeled chopped fresh peaches (about 3 medium)
3 tablespoons honey
2¼ cups cold milk
1 pint peach OR vanilla ice cream, softened
¼ teaspoon almond extract

Place peaches, honey and a small amount of milk in blender container, cover Puree almost until smooth Add remaining milk, ice cream and extract Blend until smooth and frothy, about 1 minute Serve immediately in tall chilled glasses garnished with a fresh peach slice

RASPBERRY FROSTY

1 package (10 oz) frozen raspberries in syrup, thawed
1 pint raspberry sherbet
2 cups cold milk

Beat raspberries and sherbet with a mixer or a blender Add milk Beat just until foamy Serve immediately

Milk is a lowfat beverage

LANCASTER — Many people do not realize that the milk which you buy contains only about 3 1/4 percent fat Homogenized-pasteurized milk is truly a lowfat beverage, as compared with many other foods," says Sid Barnard, Penn State Extension dairy specialist

The average fat content of milk produced by cows is about 3.7 percent However, regulations provide for standardizing this, as it varies from less than 3 percent to more than 6 percent

An 8-ounce glass of regular milk provides less than 150 calories and at least five key vitamins and nutrients There is no need to reduce normal milk consumption, when shedding a few pounds Continue to drink two or more glasses of milk each day

You may wish to shift to lowfat or skim milk However, this does not greatly cut down on calorie intake, which is not high in regular milk. A glass of 2 percent lowfat milk provides about 120 calories, while skim milk contains only about 90 calories

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Milkshakes make school fun

(Continued from Page B14)

minimum requirement

Packaged by Valley Virginia Cooperative Milk Producers Association at their Springfield, Virginia home plant, the shake mix goes into half-gallon, pure-pak cartons under the cooperative's Shenandoah's Pride label It's marked with the packing date, and has a ten-day shelf life

Ingredients in the shake mix as listed on the carton are milk, condensed skim milk, cream (not less than 3 5 percent butterfat), sugar, cellulose gum, karaya, carrageenan and artificial vanillin flavor.

Nine commercial Taylor milkshake machines serve the seven high schools, the most recently added ones went into operation in January Trumble was able to purchase reconditioned equipment for about half the cost of new ones.

Some concern at the beginning of the milkshake study dealt with "overrun," the extra volume beaten into the product with whipping. After study, it was found that the most accurate method to insure that each shake met the ounce requirements was to weigh the shakes not measured only by volume. One in five shakes is weighed by lunch program staffers as they tap them from the machine, a constant monitor that the exacting requirements are met.

Three flavors are offered, chocolate, vanilla and strawberry

(Turn to Page B17)

As the cafeteria opens to the lunch line, Williamsport High food service manager Wanda Whipp removes prepared milkshakes from the freezer holding area. Staffers will continue to fill milkshake cups through most of the serving period.

Food service staffer Phyllis Kolb takes her shift at tapping chocolate shakes minutes before the first Williamsport High student comes through the door and the lunch rush begins. A "Real Seal" affixed to the milkshake machine attests that the product is of genuine dairy origin.

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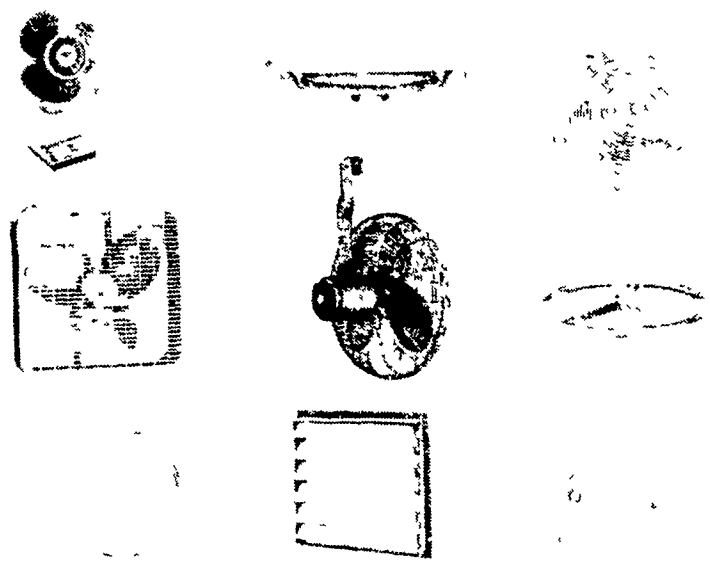

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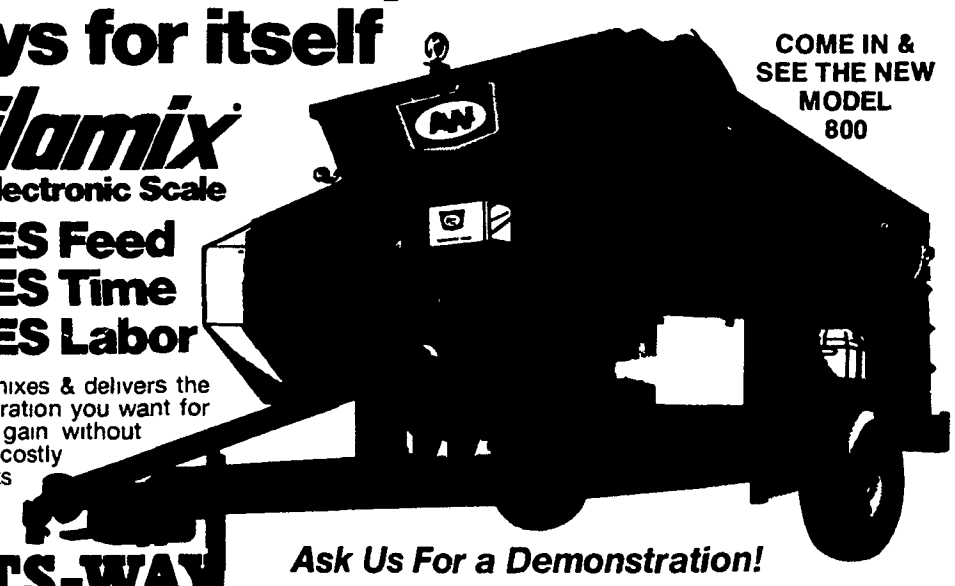

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Milkshakes make school fun

(Continued from Page B16)

Syrup to make the chocolate and strawberry varieties is whipped into the product as it's being tapped into cups. Favorite, by a wide margin, is chocolate.

That came as no surprise to Trumble and his staff. Some years ago, they'd introduced chocolate milk to the lunch lines, after repeated checking showed some 30 percent waste on white milk. With chocolate, the staff found virtually no waste.

So we introduced chocolate as sort of a lesser of two evils approach," relates Trumble "It's better that students consume a full carton of chocolate, than throw away most of the half-pint of white."

And, when the federal government mandated the use of two-percent low-fat milk, chocolate consumption climbed even higher. Before the milkshake program, Washington County schools served about 3 5 million half-pint containers of milk annually With shakes, milk consumption is even greater And to Trumble's delight, the students are drinking their milk, not tossing it away

While shakes cost about one-third more to make, larger volumes of participation has helped to offset that expense And, skeptics who predicted that lunch participation would drop as the milkshake novelty wore thin, have been proven wrong

Washington County schools have regained 12 percent of the 32 percent drop in participation in the lunch program, seen at the beginning of the school year Across the state, participation was down 25 percent, with only a one percent gain in school lunch numbers since last fall.

Because lunch programs are in trouble due to decreasing numbers, Trumble says he seems some districts trying to break even on budgets by selling high-priced, empty-calorie junk foods."

"But there's evidence that a child can't learn if he's hungry," Trumble emphasizes. ' The best teacher in the world can't counter that "

As nutrition education and balanced meals top the list of concerns in this school lunch program, some ingenious ways have been developed to entice students into trying new foods, and becoming aware of nutrition

Raw vegetable tasting parties are held for youngsters during some of the nutrition study sessions Students are exposed to flavors of not just the usual vegetable nibblers like carrots and celery, but to rather unusual tastes, such as the raw sweet potato sticks that became a huge success

Elementary students in Washington County recently took part in a recipe contest, based on their studies of the Dairy council's Food—Your Choice" nutrition series Those recipes had to include cheese, and the winner's casserole suggestion was served throughout the county's schools on a selected day.

Cheese, from the stocks of the Commodity Credit Corporation, is available to schools in almost unlimited quantities But the lunch program pays the cost of transportation and Trumble must arrange to pick up the food in Baltimore, almost one-hundred miles away

'We can also get dry milk by the tons," he adds Since that surplus product is readily available, the regular shake mix is being altered to include additional dry milk For each 600 gallons of shake mix processed, fifty pounds of dry milk will help further boost the nutritive value of the popular drink And, since the school lunch program gets some credit back on the surplus products it uses, the powder addition will help cut the milkshake cost by another half-cent each

Cafeteria staffers at two high school, chatting over the hubbub and organized chaos of serving hundreds of students in a relatively short time, share their enthusiasm for the milkshake program

Wanda Whipp, manager at Williamsport High School, and her staff, begin filling milkshake cups about an hour before the lunch room doors open to the first student. She likes to have about 250 shakes tapped and ready to go since students haul the drinks away faster than cups can be filled Large trays are filled with the prepared shakes, and held in freezers at 28 degrees until needed

South Hagerstown High's food manager Susan Place admits she was leery when first introduced to the milkshake idea Although it took about a week to fine-tune the scheduling of the shakes into the serving, she says no other new program has ever been accepted as well Eight hundred shakes went into the lunch line that first day, and then leveled off somewhat

If they don't eat anything else, they do take a shake," she notes

We'd have a rebellion if we took them away," smiles Williamsport High's principal Walter Galbreath, glancing out over the filled cafeteria where a shake cup rested on the tray of nearly every student in the room

Teachers show a decided enthusiasm for the shakes, too One faculty member, shake in hand, grumbles, I'm going to roll out of here at the end of the year" — an assessment that the flavorful shakes weren't doing anything for her waist line

Some students say they d probably still eat lunch, even if the shakes were discontinued But, while some admit to tiring of white and chocolate milk, none profess boredom with shakes

Washington County's school lunch program serves a total of 48 schools, plus ten senior-citizen feeding centers Food preparations go on in 25 different locations throughout this largely rural, somewhat mountainous, area

A fleet of 18 vehicles, transports lunches each equipped with radio communications to keep them in constant touch with the lunch program's administrative offices Due to the critical time scheduling involved in feeding students hot lunches, an emergency plan goes into effect if a vehicle is even five minutes late in arriving at its destination

In addition to serving millions of nutritionally-balanced hot lunches, the Washington County school lunch corporation has a side duty In disaster situations, it is one of the institutions expected to provide feeding programs for public benefit and is prepared to go on emergency alert for Civil Defense 24 hours a day That service was used during the 1972 flooding aftermath of Hurricane Agnes

Should a nuclear alert ever go out, Washington County is one of the areas that would begin preparations to welcome residents fleeing from central Pennsylvania In fact, they were put on alert status at the time of the Three Mile Island nuclear plant incident

As the milkshake program has gone down as one of the most successful innovations of this feeding and public service institutions, there has been one what you might call minor problem

Now the middle schools are clamoring for milkshakes, too, grins Trumble

Handle milk to maintain good quality

LANCASTER — You determine the keeping quality of milk and dairy products by how you care for them," says Sid Barnard, Extension dairy specialist Milk and dairy products are nutritious foods, but they are perishable Barnard reminds you proper handling is essential to maintain quality, flavor and nutritional value

Dairy farmers, processors and store personnel should follow strict practices to protect milk When kept cold and out of the light, milk will keep for at least 10 days after processing

Pasteurization of milk assures you of safety and extends shelf life This is done by heat treatment without any significant loss of nutrients

Proper handling of milk includes purchasing it last at the store and going directly home Barnard recommends putting the milk in a box or cover it to keep the sun away When arriving home place refrigerated and frozen foods in storage as soon as possible

Milk absorbs the order of fish, onions and smoked meat Keep milk containers closed or covered when stored in your refrigerator Be sure that your refrigerator is set to keep milk at 40°F or below

When serving milk, return the unused milk to the refrigerator Don't let it sit on the table or kitchen shelf The colder the temperature, the longer that milk and perishable foods will keep

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Pa. FFA names Kline tops in dairy proficiency

BY DICK ANGLESTEIN

REISTVILLE — The past year has been a busy and eventful one for John Kline, youthful Lebanon County dairyman

Last year at about this time, he had just finished up his senior year in ELCO FFA and was in the beginning stages of converting a general purpose farm into a dairy operation.

And now, he's not only a fulltime dairy farm operator, but he's been selected as being tops in dairy proficiency among Future Farmers of America members throughout the state.

"John's first-place dairy award was the highest of three statewide proficiency honors we've received," Gerald Strickler, ELCO FFA advisor, explained

"He has done an outstanding job in dairy projects ever since his first heifer in eighth grade and this statewide honor is well deserved."

Other statewide ELCO proficiency honors received by the chapter in the first time it has entered into the statewide competition with FFA'ers throughout Pennsylavania included a second for Joel Fahnestock in ag mechanics and a third for Ed Kegereis in swine production.

As the top dairy winner, Kline will now move into regional and possibly national proficiency competition.

In addition to steadily expanding his dairy projects during his FFA career at Eastern Lebanon County High School, he was active in a number of chapter activities and received several local honors. He was chapter dairy proficiency winner for two years and was named both Star Greenhand and Star Chapter Farmer as he progressed through the FFA program A Keystone Degree holder, he participated in parliamentary procedure and numerous dairy judging contests.

From his first heifer in eighth grade, his dairy project grew to nine head in his senior year. Of the milking string of 61 in the operation along Ramona Road, near Reistville, Kline currently owns 10 cows and 26 heifers.

Milking began Sept. 14 with 32 head and the herd size has been increased gradually to its present 61 Cousin Ken Heisey, who also just completed high school last year, primarily handles the milking

"Individual production is averaging about 65 lbs a day," Kline said

"We had five cows milking over 100 lbs during the past month, with the top one peaking at 115 lbs"

The guiding philosophy of Kline's feeding program is based on individual attention and personal familiarity with many of the animals out of the family herd that he has grown up with

"I feed according to three main factors," Kline explained

"They include the level of milk production of each animal, body size and stage of lactation"

The ration includes silage, high moisture corn and hay

"Right now, I want to work to improve the butterfat," Kline said.

"The amount of hay is being increased from about 15 to 20 lbs a day."

While the majority of the herd is home-grown, Kline has purchased a few additions to the string Three head — an Elevation daughter, a Job daughter and a Conductor heifer — were purchased at the Hubie Miller dispersal at Myerstown in March. A few others were found at Maryland dispersals.

Older brother, Leon, a Carnation Genetics distributor, helps with the breeding program

"The top two-year-old has peaked at 80 lbs and many are milking around 70 lbs.," Kline said

"These are the first of the Caranation-bred heifers milking in the string and the benefits of the breeding program are already beginning to show"

One of Kline's goals for the near future is taking an A-1 technician course Gradual additional improvements to the farm will continue. Of initial concern is a farm shop.

Yes, the past year has been a busy and eventful one for John Kline.

That all-important transition from handling an FFA dairy project to becoming a full-time dairy operator has been taken in stride by the Lebanon County youth.

Despite his relatively young years, it's easy to see why he could.

Herd records for milking string of 61 are examined by Gerald Strickler, left, FFA advisor for ELCO Chapter, and John Kline, who has made transition from dairy project to fulltime operator during the past year. The Lebanon County youth has been named the first-place winner in dairy proficiency among FFA'ers throughout the state.

With a background of increasing FFA achievement and growing responsibility in the family dairy operation, going out on his own was a natural step.

"Once you make that decision, you don't look back," he said

"We're just looking ahead."

Individual attention and familiarity with each animal are hallmarks of John Kline's dairy management program.

FFA Week opens June 15

UNIVERSITY PARK — Some 1800 rural youth of Pennsylvania will take part in the annual FFA Activities Week June 15 to 17 at Penn State. This year's theme will be, "Growing for America."

Highlighting the annual event will be 24 state FFA contests in which membes demonstrate their agricultural skills and abilities New state officers will be announced on June 17.

Co-chairman for FFA Activities Week are Edgar P. Yoder of the Department of Agricultural Education at Penn State and Charles F. Lebo of the Pennsylvania Department of Education, Harrisburg.

Participants will be involved in a variety of educational demonstrations and contests. The Farm Management contest will involve the use of a microcomputer. Special tours will include visits to a modern dairy farm where an embryo transplant will be performed. The FFA members will also have an opportunity to discuss agricultural careers and college programs with personnel from the College of Agriculture.

Doug T. Hershberger, State FFA President from the Solanco Chapter at Quarryville, and ten fellow officers will preside over the daily business meetings and and general sessions of the Pennsylvania Association of FFA. The State FFA Band, directed by Ned C. Deihl of Penn State, will present concerts at general sessions each day.

FFA Activities Week will be sponsored jointly by the Department of Agricultural and Extension Education in Penn State's College of Agriculture, and the Pennsylvania Department of Education, Harrisburg.

Contest winners will be announced at the final general session on June 17 in Eisenhower Auditorium. Awards will include expense-paid trips to national and regional FFA contests. Presenting the awards will be Charles F. Lebo, State Advisor of the Pennsylvania FFA, from Harrisburg.

Strasburg Railroad celebrates 150th birthday

STRASBURG — Come help celebrate Strasburg Railroad's 150th birthday, June 5 and 6.

Railroad buffs from all over the United States will flock to the Red Caboose Lodge and the Strasburg Railroad properties for a weekend of Special Steam events and a two acre Railroadiana and Toy Train Flea Market and show, here in Strasburg, Lancaster County.

It all starts Saturday, June 5, at 9 when railroad antiques such as bells, whistles, lanterns, railroad china dining and car appointments from a bygone era will be sold at auction, one item per minute for 8 hours.

In the big hospitality tent, operating train displays and exhibits plus thousands of toys and trains will be offered for sale or trade.

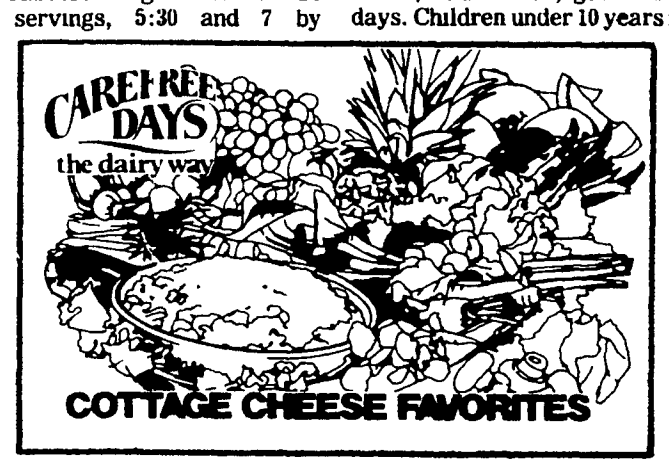
To add to the excitement, Strasburg's special steam locomotives will pass the exhibit area every 15 minutes. Strasburg R R is the oldest inland railroad, celebrating their 150th birthday since their 1832 charter as a railroad

A 1929 Antique Station Hack and Stanley Steamer will shuttle people from Strasburg railroad to the two-acre flea market every 30 minutes Old fashion pop corn machines, refreshments, and band organs, and calliope will operate both days.

Saturday night railroad movies,

door prizes, and an all you can eat feast will be served in two 80 ton Victorian Dining coaches, at the Red Caboose Lodge. There will be two servings, 5:30 and 7 by reservation

Don't miss this gala celebration in Strasburg. Free souvenir with each $2 admission, good for both days. Children under 10 years free.



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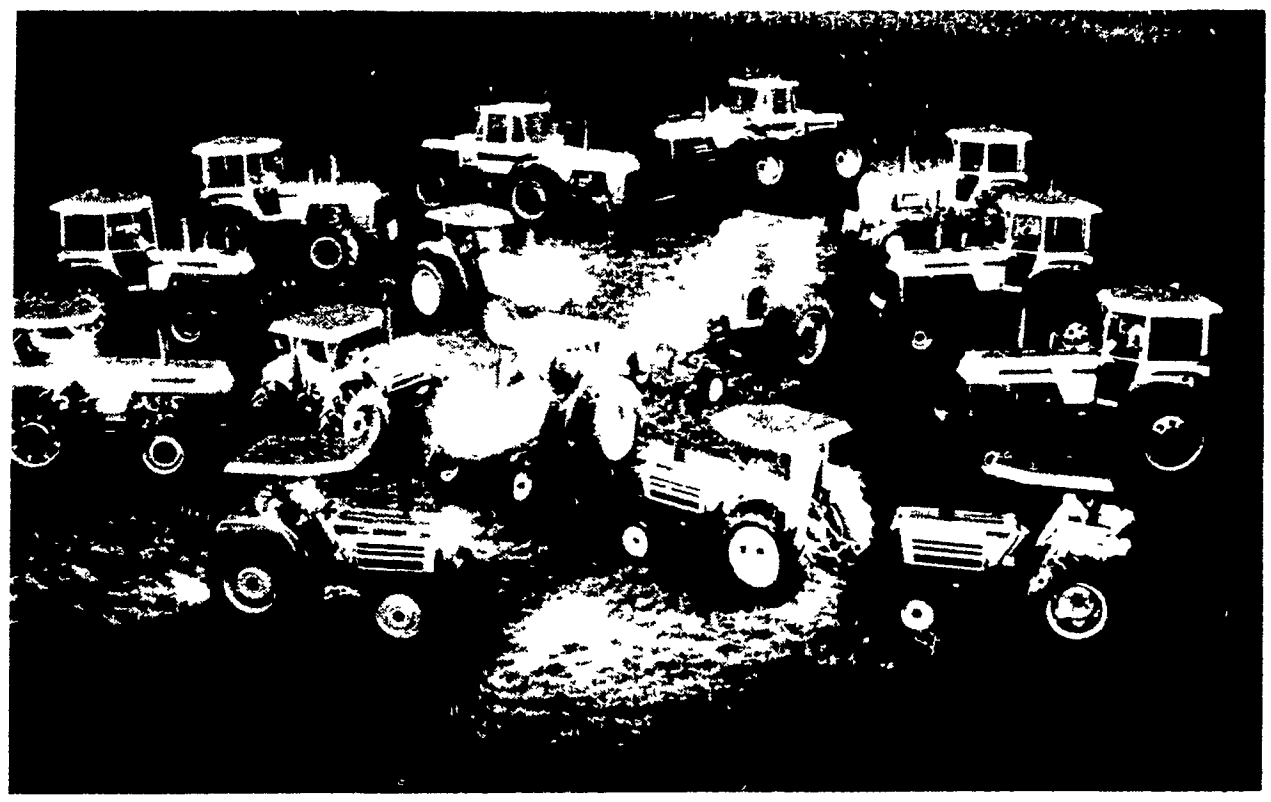

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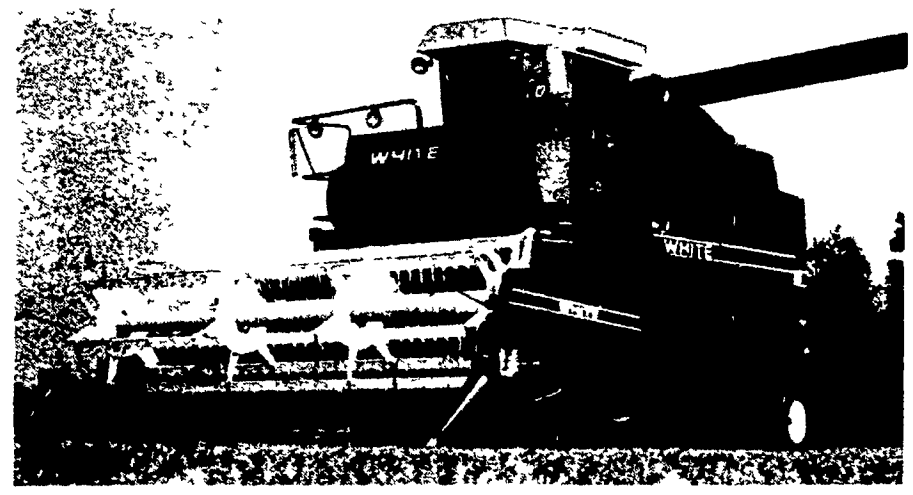

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Ida's Notebook

Ida Risser

As I walk from room to room in my large old farmhouse, I see pictures of my six children sitting on tables and on the piano. And a feeling of nostalgia sets in as I remember their soft baby skin and silky hair. I also remember how they grew, asked a million questions, and then skipped off to school to soak up learning like little sponges. We were one big happy family busily sharing the responsbilities of farm life.

But now I think of them individually as I hoe my grain, clean my house and water my flowers. They have each made their choices of a life work and have gone their separate ways. As I write letters and keep in touch with them, I cling to past memories.

At times sadness creeps in as I do miss the bustle of family activities that we enjoyed together. Of course, there were times when harsh words were exchanged as we all pushed ourselves too hard. Their varied interests stretched from decorating a cake to potato judging and from building a pig feeder to repairing a tractor engine. As they competed with other youths and won acclaim, they became more confident of their own skills.

When I walk through the woodlands each spring, I remember the ritual of taking all of them to hunt wild flowers on a Sunday afternoon in April. There are many snapshots to remind me of the pleasures that we shared.

Memories can fill me with tears or with smiles as I contemplate each child and their place in today's world. Instead of thinking of them as a family group, I now offer a prayer for each one individually. It seems that I can't give up my parental role. Do they think of me as often as I think of them?

"Real Seal" service expands

CAMP HILL — Did you ever hurry through your grocery shopping, grabbing a carton of what you thought was sour cream? And when you got home, you found you had bought something that was not real sour cream at all, but an imitation? This has happened to many people, with the other dairy products as well as sour cream, because imitations are packaged in the same kind of cartons as real milk, cream, cheese, butter and other dairy foods.

About a year and a half ago, American Dairy Association and the U.S. dairy industry launched a national consumer service to help shoppers easily tell the difference between the real thing and imitations.

A growing number of milk and dairy food processors are offering this service to the people who buy their products. Since the "REAL" Seal program began nationally, every major farmer-owned dairy cooperative has joined with ADA, placing the "REAL" Seal on its product cartons. Commercial dairies all over the U.S. are participating too, with more than half of the 20 largest retail grocery chains using the Seal. ADA "REAL" Seal Program Director Stephen A. Dohrmann estimates that processors certified to use the Seal account for well over half the milk marketed in the country. He said, "The Seal appears on dairy products in almost every one of the top 50 markets."

However, some of these markets and other smaller market areas might not have as many products carrying the Seal as the larger population centers. One reason consumers might not be seeing it in the dairy case right away is that dairies have to wait until their supplies of cartons run out before they print new ones with the symbol.

So, until the dairy industry can get its quality assurance symbol fully into the marketplace, it's a good idea for shoppers to check labels carefully. But when you see the "REAL" Seal on a carton, you know you are buying products from the cow: real milk and genuine dairy foods made from milk.

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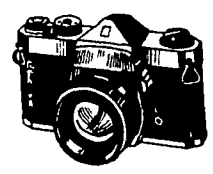

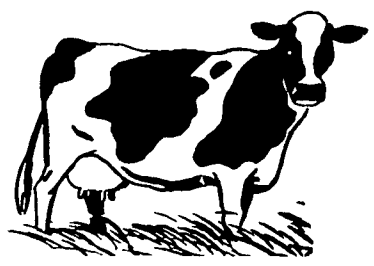

DAIRY PHOTO CONTEST

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★ $30 for 2nd place in each catagory
★ $20 for 3rd place in each catagory

Choose which category your photo best describes: (check one)
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☐ DAIRY PARTNERS, dairy animals together with their favorite people
☐ DAIRY LIFE, unposed photos of events as they happen on a dairy farm. Can be ordinary, extraordinary, happy, sad, etc.

Photographer's name _____
Address _____
Town _____ State _____ Zip _____
Phone (include area code) _____
Type of camera used _____
Please use the following lines to tell us a little about the photo. (Who, what, where and when)

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CONTEST RULES
1 One winner per family
2 Amateur photographers only
3 Photo must be submitted by the photographer and accompanied by the Lancaster Farming mailing label (label can be used by all family members)
4 One photo per entry blank (additional blanks are available through Lancaster Farming)
5 black and white and color photos accepted NO SLIDES
6 Include a self addressed stamped envelope for easy return
7 Photo must be postmarked no later than June 23
8 Lancaster Farming employees and their families are ineligible for the contest

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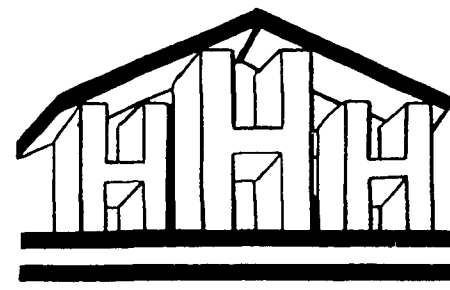

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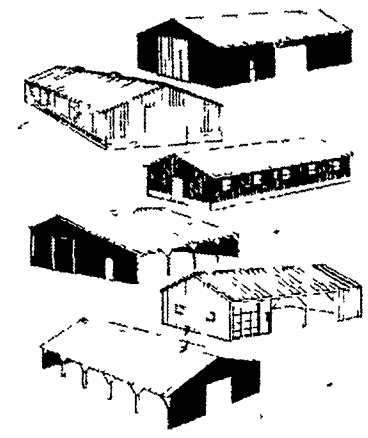

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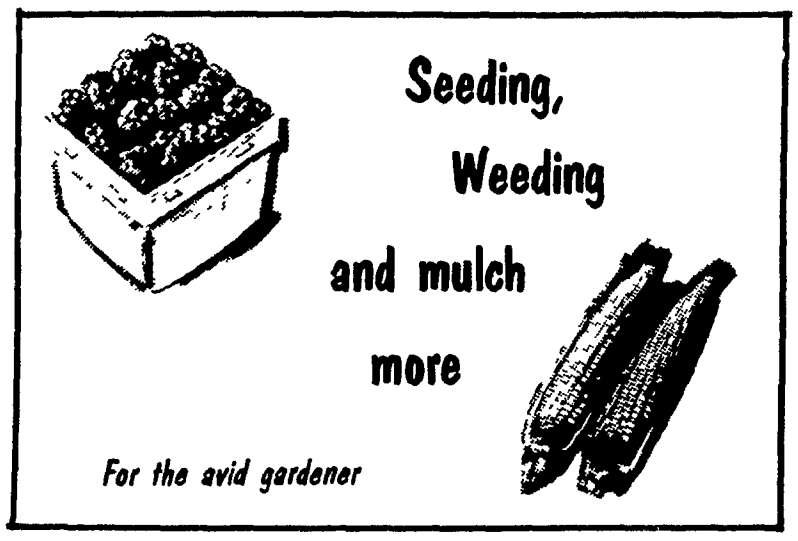

Vegetables from containers

Gardeners who grow, or would like to grow, a vegetable garden in containers on a balcony, terrace, fire escape or even an abandoned strip of blacktop will benefit from the following advice according to James J McKeehen, Delaware County Extension agricultural agent.

There is a method for growing a garden in containers that will produce a bumper crop of vegetables. The garden is grown entirely in two-and five-gallon black plastic containers. Over the years it has been found that one-gallon containers do not produce well, probably because they do not allow the growing plants enough root room, and during the hot summer the temperature of the soil fluctuates too much because of the small soil volume.

All of your plants should be grown in a prepared, soilless mix, and any of the commercially available mixes would be acceptable. These commercially prepared mixes generally contain 50% peat and 50% perlite or vermiculite as well as fertilizer, trace elements, lime and a wetting agent Even with the wetting agent they can be difficult to wet the first time.

It is recommended wetting the mix before filling the pots, because the mixture has a tendency to wash out the bottom of the pots if you try to wet it after they have been filled. Perhaps the most satisfactory method of wetting the mix is to spread out a pile and create a water reservoir on top of the pile and sprinkle water with a watering can into the reservoir. Then take your hands and rub, wet and rub until finally the task will be accomplished. Fill the pots, but save about 1/4 of the wet mix. Put some dry mix on the wet, sprinkle with water and you are "off to the races" again.

Set all of the containers on a white plastic mulch. Black plastic mulch allows the heat to build up in mid-summer and it is so great that can kill the pollen on most of your mellon plants As a result, the plants bear fruit directly above the pots where they receive some protection from the heat Although weeds growing under the white plastic can make the surface very lumpy, heat buildup is no longer a problem Since there is no root competition the individual pots can be pushed quite closely together

In a container-grown garden, watering daily is an absolute must, if you don't do it your garden will fail Daily watering is important for two reasons First, it serves to wash away salts that might build up in the container Second, it helps keep the plants cool during the hot summer months

A garden grown in containers in a soilless mix must be fertilized once a week beginning about two weeks after the sets are planted in the pots. Use a hozone proportioner to apply 12 oz. of 20-20-20 water-soluble fertilizer per 48 gallons of water To feet a garden in this manner first make a concentrated fertilizer solution by mixing 12 oz of fertilizer in a three gallon bucket of water Screw the proportioner onto the faucet and then attach your garden hose to it. When you turn on the hose to water the plants it will siphon one gallon of the concentrated fertilizer solution per 16 gallon of water, thus applying the fertilizer in the correct portion.

There is usually little in the way of disease or insect problems in container-grown gardens.

It is necessary to provide stakes and support wire for the plants. Sweet corn becomes a bit top heavy when grown in five gallon pots, and it you plan to grow it use a string to tie it to a support wire

When they fruit, cucumbers and cantaloupes can grow up stakes and and along wires where supported by slings made of old panty hose Some 50 different species and cultivars of vegetables and herbs have been grown using this method They include cucumbers, peas, tomatoes, lettuce, celery, sweet corn, broccoli potatoes and herbs Fertilizer, plastic pots, soilless mix and hozone proportioners should be available from a local nursery or garden center

Flat breads on the rise

LANCASTER — Flat bread production in the United States may be on the rise Agricultural Research Service evaluations showed soft white winter wheats from the Pacific Northwest to be ideally suited for the production of flat or pocket-type breads

More than half the caloric intake of more than half the world's nations comes from bread, and internationally, flat breads are more popular than western-style loaf breads

In a project funded by the Oregon, Washington, and Idaho Wheat Commissions, ARS food technologist Gordon L Rubenthaler and Patrick L Finney, along with visiting scientist Hamed Faridi, all at Pullman, Wash., evaluated the potential of soft white wheat for making flat breads

Soft white wheat produced a less chewy and lighter bread, desirable characteristics in flat bread. Because of the bread's flatness, the lower gluten strength of soft white wheat became an advantage The wheat's use in flat bread was also shown to be improved with the addition of 65 parts per million ascorbic acid and 0 25 percent of malt

The ARS researchers believe that the domestic market for flat breads is potentially strong as well, because these breads are nutritious and feature fewer calories and more fiber than conventional loaf breads

"Flat breads contain no sugar or shortening or milk, just flour, yeast, and water, a very simple formula," says Rubenthaler They are easy to make and taste good "

The researchers are continuing to evaluate wheat and flour requirements for flat breads and hope to soon be using an infrared reflectance device for quick and simple quality tests

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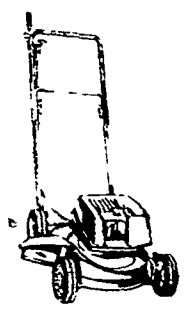

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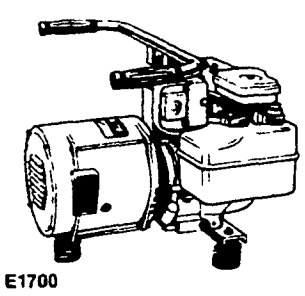

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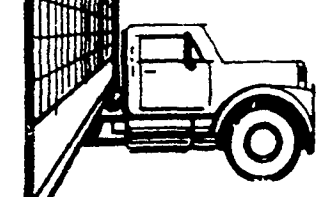

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Food stamp reporting and budgeting system announced

WASHINGTON, D.C. — A new monthly reporting and budgeting system that reduces food stamp losses and improves program administration was announced recently by a U.S Department of Agriculture official

Assistant Secretary of Agriculture Mary C. Jarratt said the system changes the way benefits are computed and requires monthly reports of income from most participants. "This will improve the program's operation because it will base benefits on a family's actual financial status rather than anticipating what next month's status will be," Jarratt said. It is expected to save $280 million in fiscal year 1984 when all states must have the system implemented, she said.

Many states have implemented similar systems for their Aid to Families with Dependent Children programs. The rule announced recently, allows states to incorporate the food stamp and AFDC systems into a single coordinated system of reporting and budgeting for both programs.

Under the system, all households except migrant households will receive monthly benefits based on their incomes and other circumstances in a prior month If the use of this system of accounting causes a serious hardship on a newly applying household, a supplemental or enhanced allotment may be issued Migrant participants will continue to get benefits based on anticipated future income

Currently, food stamp allotments are based on participants' anticipated monthly income. If the household's income or other circumstances change during the certification period, recipients are required to notify the food stamp office. The allotment is then adjusted to reflect changes in income or other circumstances.

This system will permit state agencies to require most food stamp participants to report their financial circumstances on a monthly basis, in order to provide their financial circumstances on a monthly basis, in order to provide an accurate assessment of a recipient's financial status If a household fails to submit a monthly report of income, after it has been notified to do so, its food stamp benefits may be terminated

Migrants, the elderly and disabled, all households whose income fluctuates very little, are exempt from the monthly reporting requirement. They will continue to report changes in income when they occur.

"Our old way of computing food stamps benefits didn't work well for households with fluctuating income or unpredictable changes in circumstances," said Jarratt. "Another problem was some households simply did not report changes These households continued to receive food stamps until the food stamp office learned of the changes or until their certification periods expired The state then had to recover any food stamp losses."

States must have the system in operation by October 1, 1983 However, states that wish to use the new system before that time, may do so after the interim rule has been published

Comments on this rule will be accepted until September 22 and will be considered in developing final rules. Comments will be accepted by Christopher Martin, acting deputy administrator for family nutrition programs, Food and Nutrition Service, USDA, Alexandria, Va., 22302.

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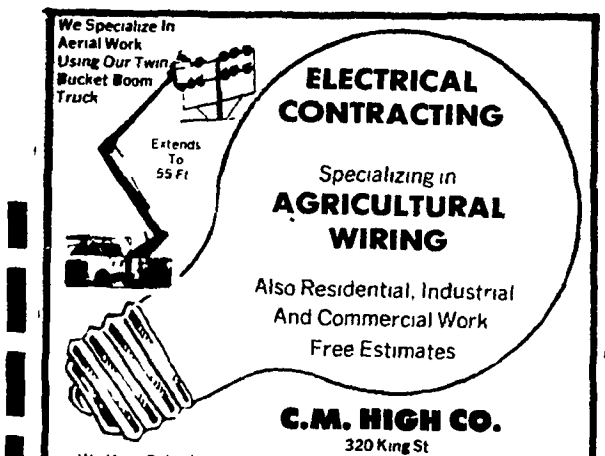

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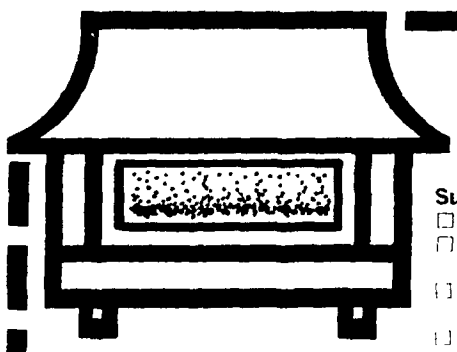

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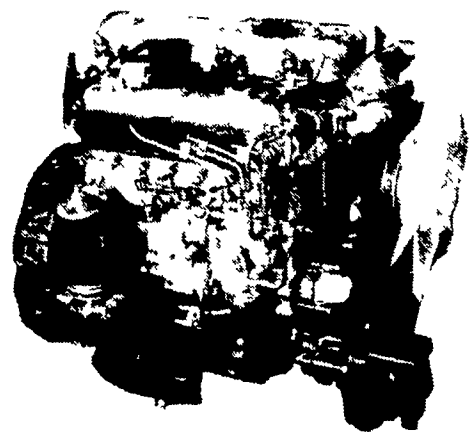

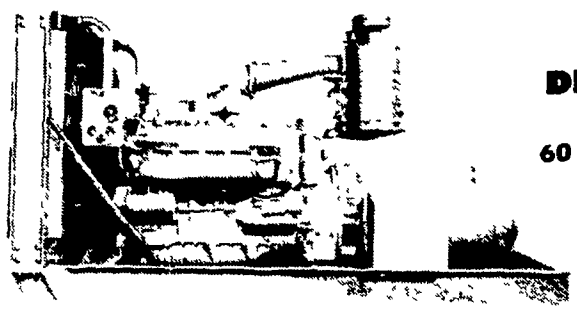

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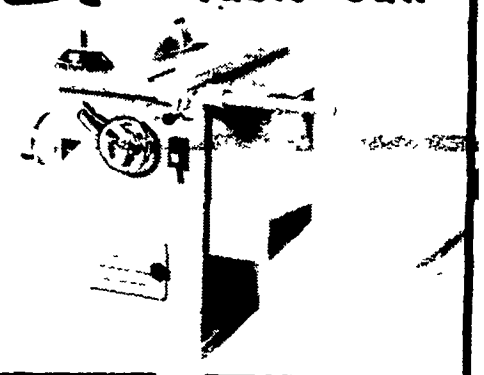

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Ephrata Young Farmers conduct manure handling tour

EPHRATA — Conditions and choice led Ray Beyer, dairy farmer from R4 Lititz to a Slurrystore manure system some six years ago.

"I wanted to go to a liquid system and eliminate regular manure handling," he told fellow members of the Ephrata Young Farmers during an educational manure storage and handling tour conducted by the chapter on May 25.

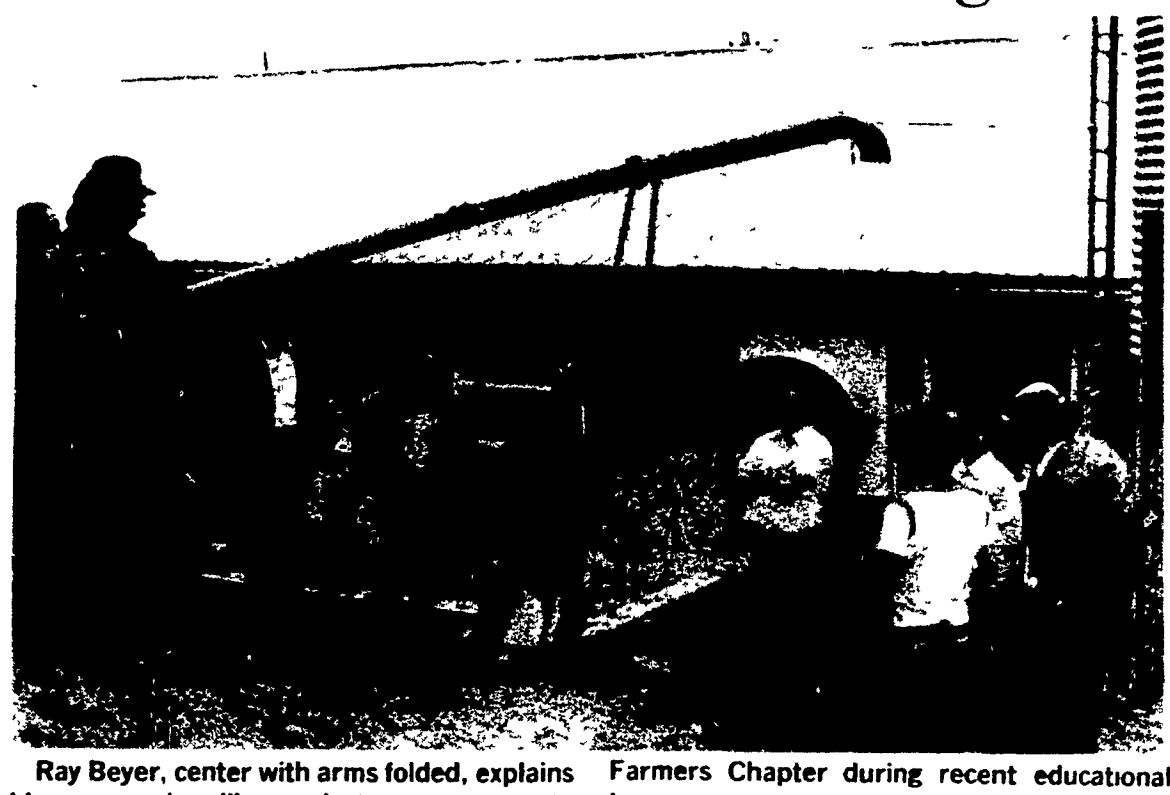
The Beyer farm, located between Lititz and Ephrata, was one of three visits on the tour. Other stops included the Richard Fox farm and the Oregon Dairy Farm.

"I didn't have the proper location for a lagoon or similar storage facility," Beyer further explained.

The Beyer dairy barn, which was also added in 1976, is located on the lower side of sloping land just off the Lincoln Road. Proximity to Middle Creek also had to be considered in the selection of a manure system.

Thus, when the 60-stall tie barn addition was erected six years ago, the overall project included the erection of a 167,000-gallon Slurrystore unit just behind the barn. A Patz barn cleaner empties into a pit just adjacent to the barn and a PTO-driven pump relays the wastes up into the Slurrystore.

Proximity of Slurrystore unit to dairy barn is shown just behind Ray Beyer on farm at R4 Lititz.



Ray Beyer, center with arms folded, explains his manure handling and storage system to visiting members of the Ephrata Young Farmers Chapter during recent educational tour.

When the manure is spread twice a year, a valve allows flow back into the pit for pumping into a 3000-gallon Badger tank spreader. The Slurrystore is emptied Spring and Fall, including the top dressing of rye in the Spring.

"We didn't require any fertilizer the past two years," Beyer said.

Testing of the manure the past couple of years has shown results ranging from 43-9-7 to 34-19-15.

The Young Farmer visit also got a glimpse of the barn's Aero-Vent ventilation system, which includes five circulating fans.

"The system keeps the winter temperature between 50 and 55 degrees," Beyer explained.

"The only problem last winter was that coldest Sunday when the barn stayed so warm that water condensed on the blades of the fans and they froze up."

Beyer took over operation in 1968 from his father, Russell, who bought the 80-acre farm in 1944. Son, Clair, is now the third generation involved in the operation. The 60-cow herd of grade Holsteins has production records of some 17,500 lbs of milk and 650 lbs. of butterfat.

On the Richard Fox farm, the chapter members viewed a barn cleaner system that empties into a pit. A ram pump moves the semi-solid wastes to a 36 by 60-foot storage building. Excess liquids are drained off into an underground tank.

The Oregon Dairy Farm has a 350-cow, free-stall barn with an automatic manure scraper and gutter cleaner. A ram pump pushes wastes to a slatted dam storage pond. Liquids drain off into an evaporation pond.—DA

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Farm Bureau finds allies for EEC trade battle

BRUSSELS, Belgium — Farm Bureau leaders from the U S last week found a group of important allies in their quest to reduce farm trade barriers imposed by nations of the European Economic Community

In the EC headquarters city of Brussels, a group of grain trade leaders told Farm Bureau's delegation that high fixed prices on European grain are beginning to hurt livestock producers who must pay more for the grain they feed their herds And they see resultant problems in their own countries as protectionists policies of the Economic Community drive up consumer prices and add substantial costs to the tax load that must cover the cost of subsidized European grain being shipped abroad. Subsidies make up the difference between higher prices European farmers are paid, and the lower world price their exports must be sold for.

American Farm Bureau president Robert B. Delano, leading the U.S. delegation of 20 state Farm Bureau presidents told EC leaders that, "American farmers welcome the open market, are willing to compete fairly with anybody in the world, but it is unfair to be asked to compete against the treasuries of the European Common Market countries."

Delano was strongly critical of EC threats to impose new duties on U.S. produced corn gluten meal, a widely-used livestock feed

"We are hear to let the European people know," said Delano, "that American farmers are dead serious, that if duties increase and export subsidies against which they must compete do not cease, there will be retaliatory action against European agricultural and industrial products"

It is a message, already delivered in London, now to be taken to government officials and leaders of industry and agriculture in The Hague and Rotterdam, Netherlands, and in Hamburg, West Germany

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For more information, contact the local Soil Conservation Service office.

Milk 'officially' quenches Pa. thirsts

Governor Dick Thornburgh has his hands full with the official drink. Although the milk bill revolved in the state legislature for almost a year, Thornburgh swiftly inked the bill into law on May 4, 1982.

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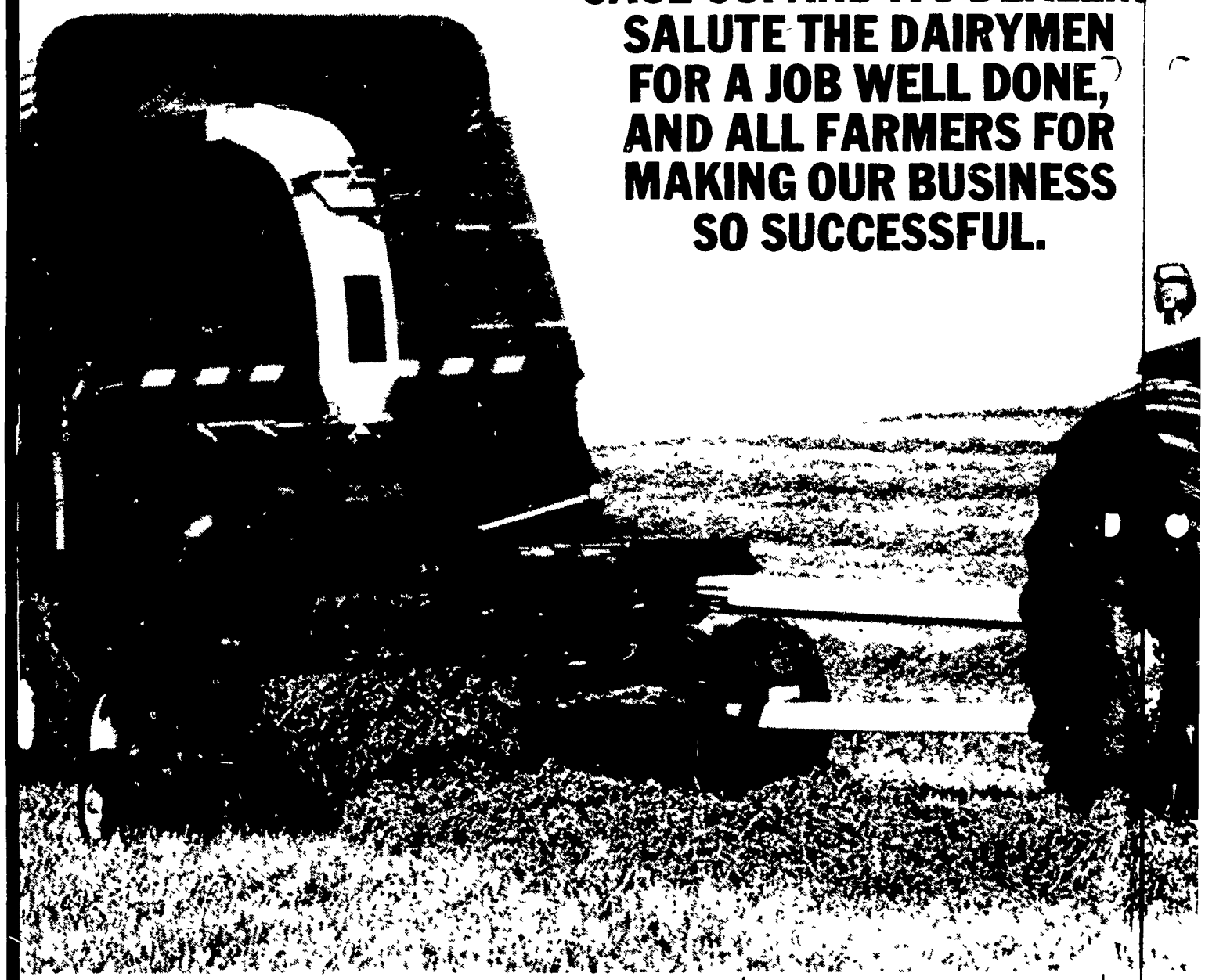

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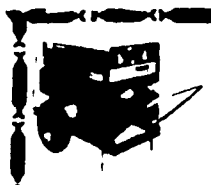

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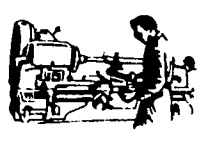

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Federal farms to use no-till

WASHINGTON, D C — U.S. Senator Roger Jepsen (R-Iowa) has been advised that all federal departments and agencies will be "encouraged" to adopt minimum or no-till conservation practices on federally owned cropland.

But Secretary of Agriculture John Block said blanket requirement of any individual practice "is inconsistent with the Department's philosophy of developing management systems tailored to each individual farm "

Block told the Iowa senator that the no-till option now utilized at the Army Ammunition Plant in Middleton, Iowa, will be cited to other federal agencies as an example of what can be done to control soil erosion.

The secretary said he plans to write each Department encouraging them to operate their cropland in accordance with Soil Conservation Service standards for erosion control

"I plan to work informally with each Federal Department and Agency to encourage a cooperative, voluntary demonstration of 'no-till' farming on federally-owned cropland," Block wrote Jepsen.

The action by Block stems from a Jepsen request last year to President Reagan that, where possible, all federally-owned cropland be farmed using the no-till or reduced-till conservation measure Conservation tillage cuts down on fuel because fewer trips are made over the field, no-till involves leaving all residue on the surface, thereby reducing soil loss

In his letter to President Reagan, Jepsen pointed out that "no-till is currently being practiced on privately owned cropland in some parts of the nation and has proved successful in significantly reducing soil erosion, saving energy and conserving water "

The President responded by asking Block to survey each federal agency "on the requirements currently in place to promote appropriate conservation management systems on federal land that is being cropped "

Block told Jepsen that the survey indicated that most of the departments and agencies which lease federal land for cropping have requirements for cropping operations to be conducted in accordance with USDA and local soil and water conservation district standards and guidelines for erosion controls "

He pointed out that the Department of Air Force is currently reissuing its regulations to require cooperation and coordination with USDA agencies "to ensure that grazing and cropland management plans adequately incorporate erosion control measures "

Block told the senator that "the emphasis should be on the reduction of erosion through a conservation management system tailored to each individual site using any appropriate practice(s) rather than on the use of one practice, even one that is a promising in so many areas as no-till' is '

"I personally share your enthusiasm for no-till, not only for its advantages in conserving soil and soil moisture, but also for its features as an energy and labor-saving practice for farmers Block wrote Jepsen, adding that I am anxious to promote the widest possible use of no-till' and other conservation tillage methods '

April CPI rise due to higher meat, fruit prices

WASHINGTON, D C — The consumer price index (CPI) released last Friday indicates food prices rose 0 3 percent in April (before seasonal adjustment) according to Assistant Secretary of Agriculture William Lesher

"Prices for food bought in grocery stores were up 0.3 percent in April, while prices for food purchased away from home were up 0 4 percent," Lesher said This increase follows a 0 3 percent decline in March

"The major reason for the increase in April was higher meat prices We finally are seeing much needed strength in hog and cattle prices where producer returns had been depressed," Lesher added

Beef prices rose 1 1 percent as increased feedlot placements reduced nonfed cattle slaughter Pork prices were up 0 9 percent reflecting a decline in slaughter Fresh fruit prices rose 3 percent, led by a 4 6 percent rise in prices for oranges as production shifted to new harvest areas

Regarding other foods, fresh vegetable prices fell 1 4 percent Tomato prices were down 14 6 percent as production increased from the low levels caused by the January freeze in Florida Lettuce prices, however, were up 31 1 percent, reflecting reduced supplies caused by heavy rains and the shifting of harvest in California

Retail egg prices fell 4 3 percent in April and poultry prices were down 0.7 percent due to increased supplies

Cereals and bakery products prices rose 0.1 percent as declining farm prices for wheat, rice, and cane sugar earlier this year reached the retail level and partly offset rising marketing costs Similarly, a pass-through of lower cane sugar prices in February and March pushed the sugar and sweets CPI down 0 1 percent Declining raw sugar prices earlier in the year also caused soft drink prices to fall in April

The fats and oils CPI rose 0 3 percent due to increased demand for vegetable oils, a result of diminished lard supplies caused by pork production cutbacks

Retail food prices this year are expected to average 5 to 7 percent higher than last year This would be below the 1981 increase of 7 9 percent, contuing the pattern of slowing annual food price rises that began after 1979

Two important moderating factors this year are small increases in the farm value of food and slowing of food marketing cost inflation

sel engine with a reputation for fuel efficiency and dependability the Model 1190 has a 3-cylinder, 164 cu in (2 7L) engine, the 1290 a 4-cylinder, 195 cu in (3 2L) engine, the 1390 a 4-cylinder, 219 cu in (3 6L), the 1490 a 219 cu in turbo (3 6L) engine, the 1690 a 6-cylinder, 329 cu. in (5 4L) engine

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Efficient dairy farmers save U.S. consumers milk dollars

LANCASTER — More than 300,000 dairy farmers work hard to supply American with an adequate supply of wholesome U.S. produced milk. Because of their expert breeding and feeding techniques, consumers pay less for dairy products than the average of all other foods.

Even though all foods are expensive, dairy foods cost less. The shortages of milk experienced in 1973 and 1974 have been eliminated during the interceding years.

By December 1981, dairy product prices increased 6% less than meat, 12% less than cereal and 14% less than fruits.

In fact, dairy products increased 11% less than the average price for all foods.

The chart is based on Bureau of Labor Statistics data with 1967 prices equal to 100%. Using that as an index, it means dairy products that cost $1 in 1967 now cost $2.45; meat costs have gone from $1 to $2.61; cereal costs to $2.78 and fruits to $2.84. The average of all foods that cost $1 in 1967 costs $2.76 in 1981.

Another way to look at the low cost of dairy foods is to examine how much time must be worked to earn money to buy them.

For example, using preliminary figures published by USDA's Economic Research Service (Dairy-Outlook & Situation, Sept. 1981), we find: It took 15.5 minutes of work to earn enough money to buy one pound of butter; 8.7 minutes for a half-gallon of milk; 9.7 minutes for a half-pound of American cheese; and 15 minutes for one half gallon of ice cream.

In 1980, the commercial use of dairy products was down 0.8% and per capita consumption of dairy products was down 0.9%, the first decrease since 1974. In 1981, the commercial use of milk and dairy products (on milk-equivalent basis) will approximate a 1% increase over 1980 to set a new record level. Per capita consumption is expected to remain relatively static

— Total milk production for 1981 was up 4 billion pounds to 132.6 billion pounds

— Production per cow up 2 2% over 180 to 12,147 pounds.

— Total of milk cows up 80,000 (1%) over 1980 to 10 9 million.

Of the total milk produced, approximately 50.6 billion pounds were sold as fluid milk and cream. Most of the rest were used in the production of other real dairy foods that are found in stores and restaurants: 24 7 billion pounds of milk were used to make butter

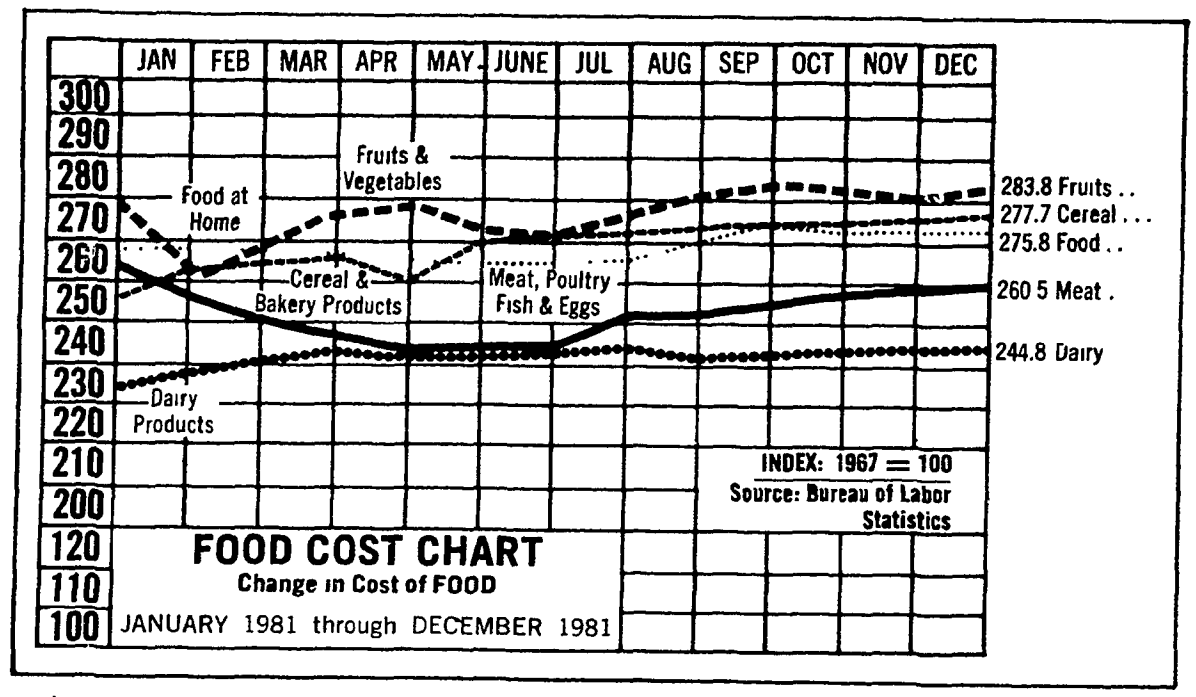
When you consider that one quart of milk weighs 2.15 pounds and it takes 21.2 pounds of whole milk to make one pound of butter, that's quite a butter pat. Conversely, it takes 10 pounds of whole milk to make one pound of cheese, and 36.5 billion pounds of milk were used.

Government Programs

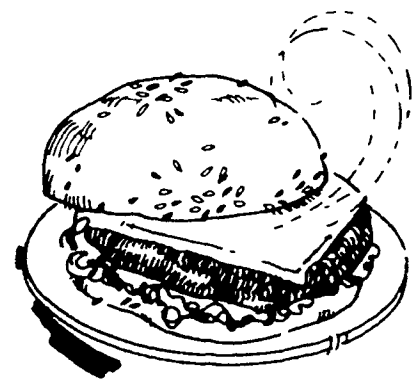
Because the role of the dairy industry is to provide adequate supplies of dairy products to U.S. citizens, the government uses economic incentives for the dairy farmer. In effects the government assures the dairy farmer of a market for his milk if he will buy and breed calves that will be producing milk some 27 months hence.

Only by providing this support for milk, can the U.S. government maintain its milk source. During the milk shortage in 1973-74, limited supplies of milk kept prices relatively high.

Currently, milk and dairy products are in great abundance. But if production costs continue to rise, and the government continues to limit dairy farmers' income, that situation could change drastically in the months and years ahead.



As of the moment, however, consumers can buy milk and dairy products for less money because efficient dairy farmers have slowed the overall price increase for these valuable foods.



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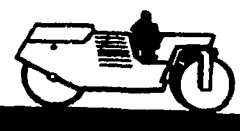

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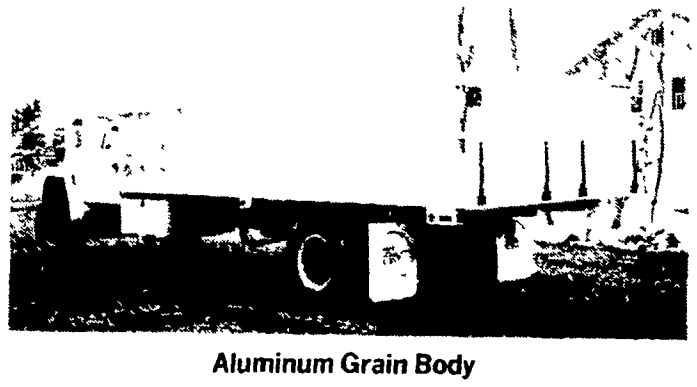

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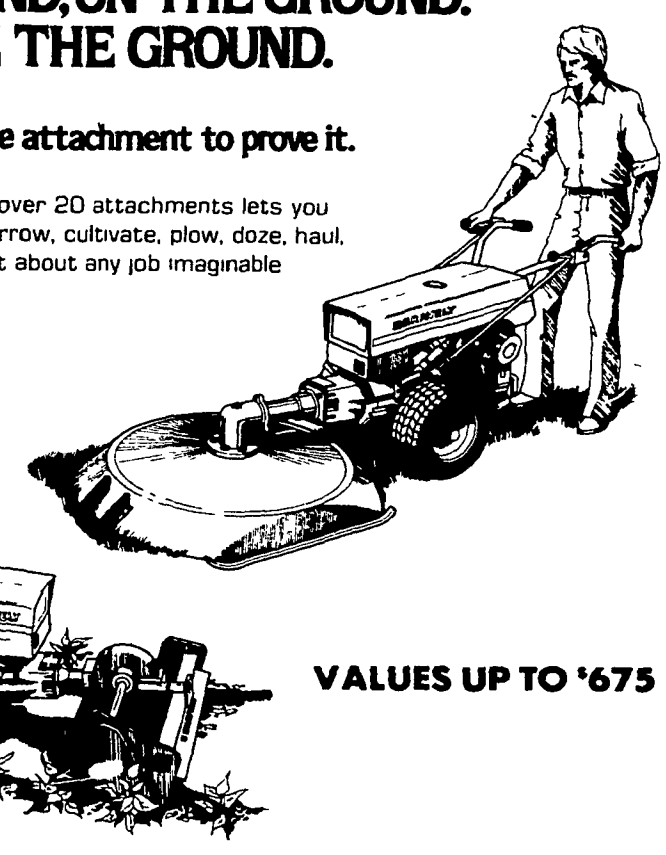

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Outdoor work adds sun exposure risk

LANCASTER — "Only mad dogs and Englishmen go out in the midday sun," said British playwright and lyricist, Noel Coward

Not so Hundreds of thousands of farmers and laborers are out there in the midday sun day after day and year after year. According to the American Cancer Society the sun is one of the major risks of outdoor occupations, responsible for the high incidence of skin cancer, and those who live in the sunny southwest are the most vulnerable

Every year some 300,000 skin cancers are identified in the United States; the percentage that is malignant accounts for 3,000 death incidences annually. Sun damage is a serious occupational hazard for farm people, many of whom do not take any precautions against over exposure Face, ears, neck, back of hands and lips, unprotected by clothing, are the danger areas

"Skin cancer and sun damage to the skin are less likely to occur if preventive steps are taken," says Robert Sayre, director of the Coppertone Solar Resea-ch Center in Memphis "A farme- need not abandon his work to avoid occupational skin damage Just as he uses all possible measures to combat insect and animal destruction to this crops, he can take effective steps to help avoid damage to his skin

"To begin with," he continued, 'a farmer should wear a hat, a long-sleeved shirt and lightweight cotton overalls to keep him covered and cool as he works in the sun

To protect exposed, unclothed areas of his skin he should use an effective sunscreen product Products with a high SPF (sun protection factor) are recommended This preventive medicine is readily available, easy to use and inexpensive

"It's long-term overexposure to the ultraviolet rays of the sun that is the culprit," says Sayre "A farmer spends all his working hours in the direct rays of the sun Sun damage is cumulative, it shows up after years of continued exposure For this reason all outdoor workers should make it a daily practice to use sunscreen lotions with a high SPF

"Farmers and others who work outdoors must become aware that too much sun can be dangerous Here at the Solar Center we are launching an educational program to warn such people of the potential hazards of their job and persuade them to protect themselves to reduce the high incidence of skin cancer among outdoor workers "

Protection of exposed skin against the sun is not only suggested for outdoor workers but for anyone exposed to the sun for long periods

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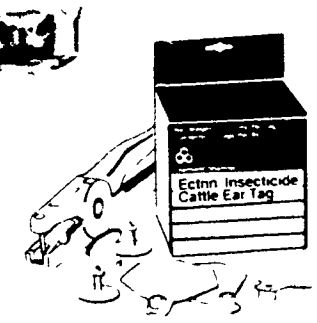

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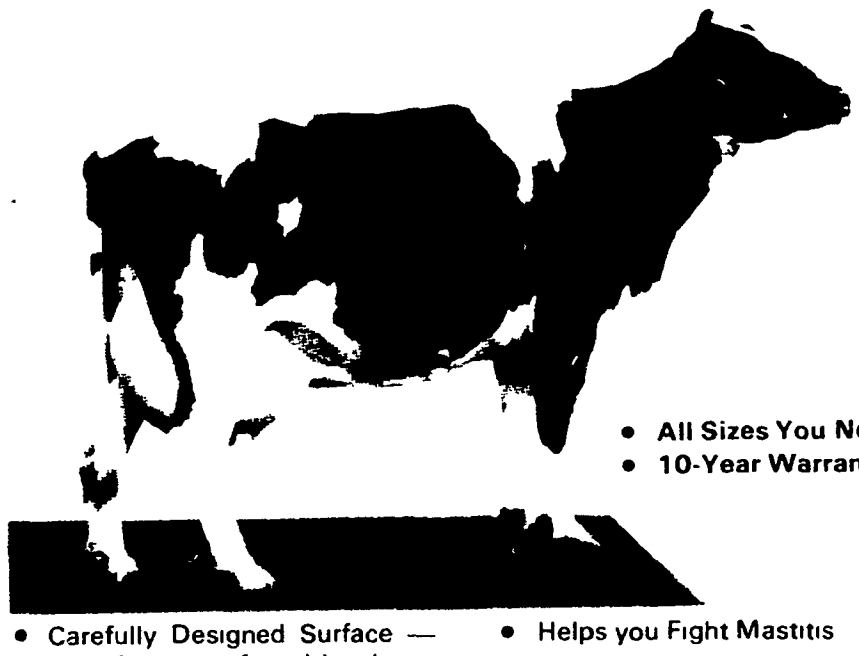

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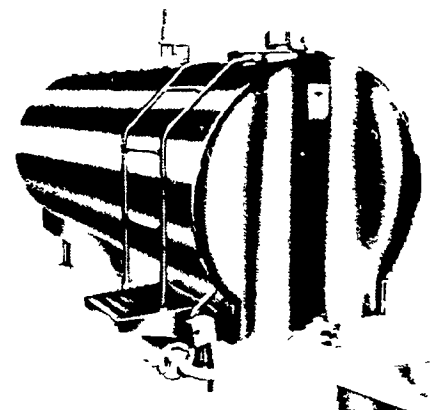

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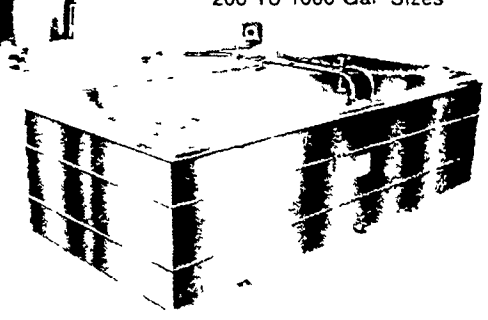

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August is Pa. Food Products Month

HARRISBURG — State Agriculture Secretary Penrose Hallowell said Tuesday that Pennsylvania's agriculture and food industries have shown strong support for the Pennsylvania Food Products Month activities planned for August.

"Farm organizations, food retailers, wholesalers and processors, county fairs and even farm marketers have all been announcing their support for the concept and are actively planning events and promotions at the local level," Hallowell said.

According to Hallowell, representatives of food and agricultural industries had suggested the idea of setting aside a month for an educational effort to increase consumer awareness and promote sales of Pennsylvania food products. August was selected as the most appropriate time, when Pennsylvania's fruit and vegetable harvests are at a peak.

The list of association and organizations now working on the Pennsylvania Products Month promotion includes the Pennsylvania Farmers Association; Pennsylvania State Grange; the Penn State Cooperative Extension Service; Pennsylvania Food Merchants Association; Pennsylvania Grocers Association; Weis Markets, Sunbury; Reeves-Parvin (IGA Stores), Huntingdon; Riverside Markets, DuBois; Sky Brothers, Altoona; Lehigh Valley IGA Stores; Furman's Canning Company, Northumberland; Solly Brothers Farm Market, Ivyland; and Seiple Farm Markets, Bath.

Several county fairs held in August will also conduct promotions for Pennsylvania Products Month, including the Blue Valley Farm Show, Bangor; Butler Fair, Renfrew; Carbon County Fair, Lehighton; and the Clearfield Fair, Clearfield.

Hallowell said that the Pennsylvania Department of Agriculture would continue working with food and agriculture industries on the month-long effort. "Pennsylvania consumers should become acquainted with the incredible diversity and availability of locally grown and processed foods," he said. "Buying local products helps the consumer to fresher quality products, while often saving money at market. At the same time, creating a demand for Pennsylvania food products helps our farm community expand production, creating jobs and boosting economic development throughout the state."

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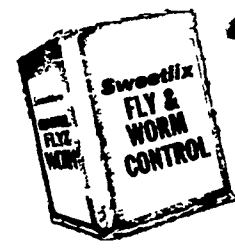

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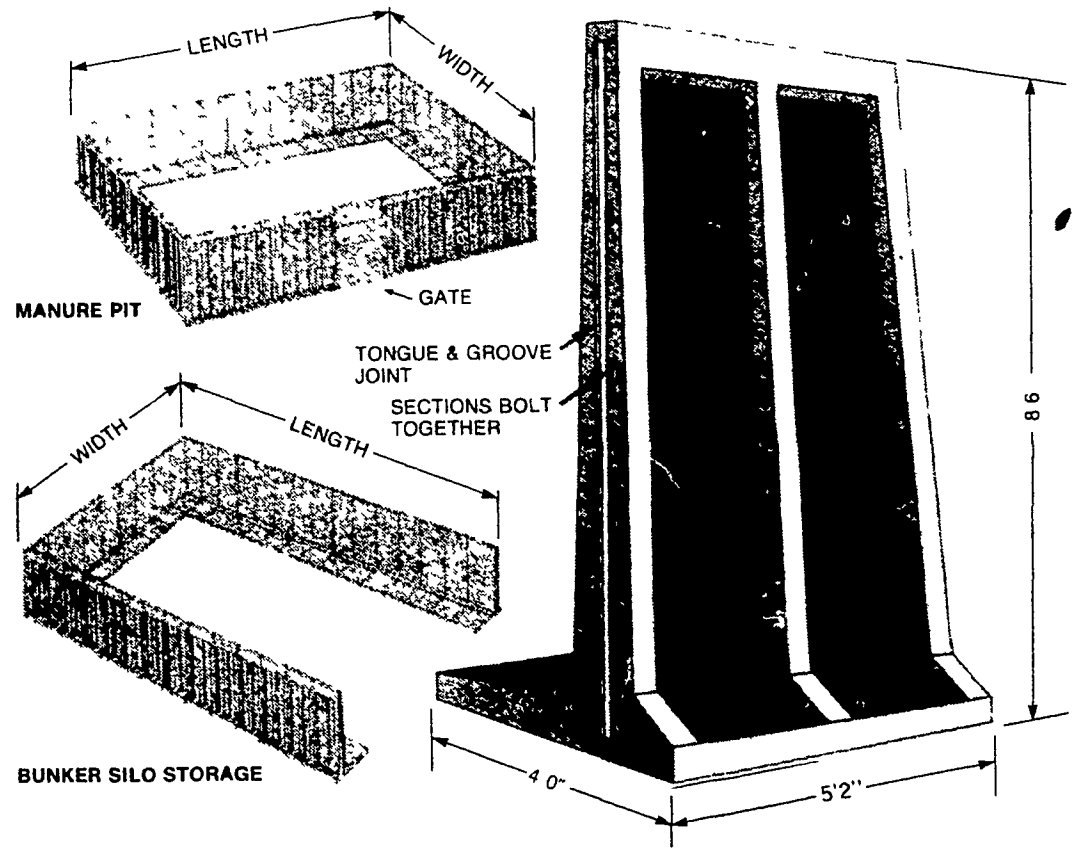

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A reader asks: What can be done to treat warbles in rabbits and how can they be prevented?

Dr. Maas comments: The term, warble, refers to the presence of the maggot of the rodent bot fly, Cuterebra masculata in the subcutaneous tissue of many animals, including rabbits, cats and dogs.

Adult bot flies are nonparasitic and seldom observed. The eggs of the female fly are deposited in the environment, usually around burrows or holes made by wild mammals during the summer months. Tiny larvae hatch and wait to attach to the skin, penetrating primarily the nose and mouth areas and migrating in variable routes to just below the skin surface.

There, the maggot may reach an inch in length and approximately one half inch in diameter Development takes about one month, after which the larva emerges from the subcutaneous area to pupate on the ground

Clinical signs in young rabbits, puppies and kittens usually appear in the late summer or early fall A thick-walled subcutaneous abscess of variable size forms around the developing maggot, most often under the skin of the neck and chest, with pus draining from the breathing hole made through the skin by the parasite Abnormal larval migration can sometimes involve the brain with fatal central nervous system disturbances or obstruct the airway causing respiratory distress, loud snoring, coughing, gagging and subsequent bacterial infection leading to fever, loss of appetite and depression

Treatment involves surgically enlarging the breathing hole to facilitate careful removal of the maggot The abscess should not be squeezed since rupturing the parasite may cause the affected animal to have an allergic reaction The lesion is then flushed, and antibiotic preparations are instilled locally at the site and given orally for approximately 10 days

Prevention is difficult for rural cats or rabbits allowed to investigate holes or nest of burrow-dwelling mammals — the site where the eggs are laid The pets must be confined during these susceptible months or allowed out only with human supervision to discourage visitation to these burrow areas

Each week Lancaster Farming features 'Ask the VMD,' a column designed to offer sound advice and shed new light on troublesome problems that affect the livestock industry. Contributing veterinarians for the column include: Doctors Leon Riegel, Synthea Maas and Edgar Sheaffer of Valley Animal Hospital, Palmyra; and Dr. Tim Trayer of Hutchison and Trayer Veterinary Associates, Reinholds.

Questions for the column can be submitted to: Ask the VMD, Lancaster Farming, Box 366, Lititz, Pa. 17543.

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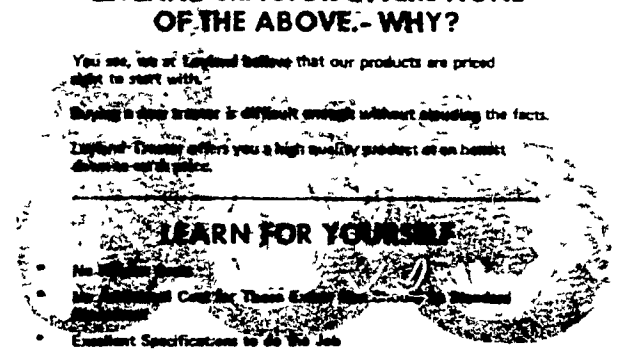

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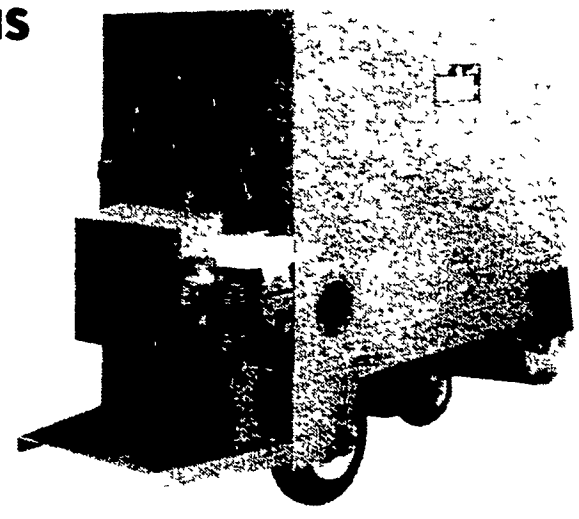

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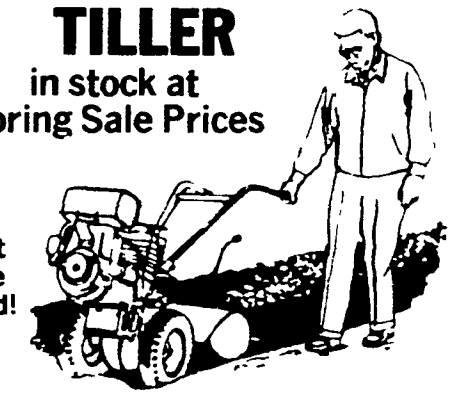

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Maryland youths vie for Wills Fair titles

WEST FRIENDSHIP, Md. — Mother Nature threatened all day, last Saturday, but mercifully spared her rain as more than 400 Maryland 4-H'ers and FFA members exhibited a variety of livestock during the 54th annual Wills Spring 4-H and FFA Fair.

The fair had its origins as a dairy show but eventually included beef cattle classes in the competition.

More recently, dairy goats were added to the show in 1976, while classes for sheep, rabbits, poultry and dogs were introduced last year, reported Norman Smith, state Extension 4-H program leader.

In the dairy cattle competition, Julie Walbert, 13, paraded her yearling Holstein heifer most of the morning before being tagged grand champion showman and fitter over all dairy breeds.

The Howard County 4-H'er is a student at Glenwood Middle School and is the daughter of Frank and Paige Walbert.

Howard County also claimed two more showing and fitting grand champs before the day ended.

William Ferrell, 17, led his Angus steer into the winners circle as he collected the grand champion showman and fitter in beef competition. The win occured the week of the Howard County youth's high school graduation from Glenelg High School. Ferrell, the son of Frances and Willie Ferrell has plans to attend Howard County Community College.

The third Howard County youth to earn top showing and fitting honors was 14-year-old Karen Fleishell. Karen exhibited her Irish Setter, "Rebel," and her yearling Suffolk ewe, Hilltops High Hopes. And it was the ewe that brought the grand champion fitter and showman trophy home for Karen. A 3-year veteran of sheep exhibition, Karen is the daughter of John and Annette Fleishell of Woodbine, Md.

Jackie Taylor, 17, of Baltimore County capped eight years of dairy goat showing by earning overall fitting and showing honors in the dairy goat classes. Her entry was 2-year-old doe Permission Acres Fancy Copy. A dental assistant student at York County Vo-tech, Karen is the daughter of Marilyn Taylor.

Nanci Opel, 15, caught the judge's eye while putting her dog "Bo" through his paces. The Pallotti High School student and her Japanese guard dog, an Akita, went on to collect grand champion showman and fitter honors for the canine competition. Nanci is the daughter of Howard and Judith Opel of Beltsville, Md.

Nanci Opel, 15, led the 4-H dog competition and was named grand champion fitter and showman. The Prince Georges County youngster sets her winning canine, "Bo," an Akita or Japanese guard dog.

Howard County 4-H'er Karen Fleishell, 14, displays her winning form with yearling Suffolk ewe Hilltops High Hopes. Fleishell bested the Wills Fair sheep competition and was named grand champion fitter and showman.

Julie Walbert, 13, bested entries from the Brown Swiss, Guernsey, Jersey, Ayrshire and Milking Shorthorn breeds to take the grand champion dairy showman and fitter title. Staying with Julie throughout the competition is senior yearling Terrapin Starlite.

William Ferrell, 17, gets the judge's nod for grand champion showman and fitter in the beef competition. Ferrel, at halter, is joined by, from the left to right, show judges Pam Stabler, Lori Moxley and Maryland Polled Hereford Queen Marian Cummings.

In her eighth year of showing goats, Jackie Taylor, 17, of Baltimore County grabs the all-around title for dairy goat fitting and showing with her 2-year-old Alpine, Permission Acres Fancy Copy.

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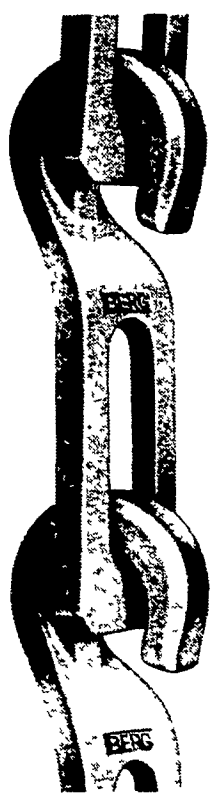

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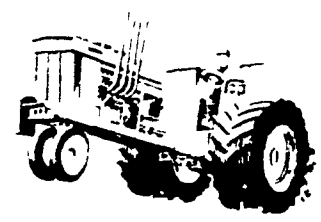

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Rail tests get cattle "all aboard"

WASHINGTON, D.C — Tests on a rail cattle car equipped with an onboard feeding and watering system are planned by the U S Department of Agriculture to determine if it is practical to ship more cattle by rail.

The test program was launched at a demonstration of the car recently at the Agricultural Research Center at Beltsville, Md

USDA's Office of Transportation will conduct the tests on a specially constructed car loaned to the USDA by the Ortner Freight Car Company of Cincinnati, Ohio.

"This is the type of cooperation I like to see between the government and the private sector," said Assistant Secretary of Agriculture C.W. McMillan. "The work that has been accomplished so far on this particular project is proof in itself that such cooperation is an achievable reality.

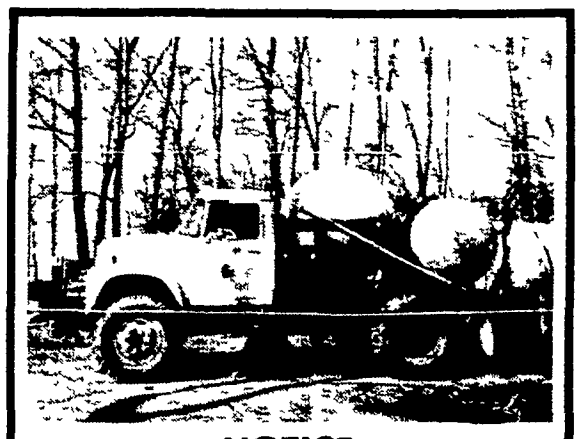
McMillan said the project will build on earlier studies of onboard feeding conducted at Texas A&M University's Amarillo Research Center in 1978 and 1979

First, stationary tests will be conducted at Beltsville Then, the main series of tests will involve moving steers over long distances from locations in Florida, Tennessee and other southeastern states to Amarillo, Texas

Researchers will collect pre- and post-transit data on the health stress levels, shrinkage and recovery range of the steers, comparisons of the cost of rail shipment with truck routes over similar routes, and the energy efficiency of rail shipments.

The 91-foot-long car is capable of transporting 200 head of feeder cattle weighing 400 pounds each The onboard watering and feeding system would enable railroads to move livestock for as many as 5 consecutive days with an adequate supply of feed and water.

The Livestock Transportation Act of 1906 requires that livestock be fed and watered every 28 hours



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At York 4-H Preview

Stough, Kinsley take top beef honors

By Laurie Dobrosky

YORK — Wayne Stough, Jr. of Spring Grove exhibited his March Simmental heifer to the coveted position of Supreme Champion Heifer at the Third Annual York County 4-H Beef Preview Show held at the York Fairgrounds last Saturday.

Stough, son of Mr. and Mrs. Wayne Stough, Sr., won the title of champion Simmental with his heifer, Linoeon Miss Signal 449N, before being named overall champion.

The reserve champion Simmental was shown by Jessica Ferree of Spring Grove.

The champion and reserve champion Angus heifers were exhibited by Chris and Cathy Shive of Seven Valleys, respectively. The champion Charolais heifer was exhibited by John Eaton of Windsor

Kerri Kohr of York and Jamie Kohr also of York, exhibited the champion and reserve champion Chianina heifers, respectively.

The champion Hereford heifer was exhibited by John Hausner of Dover The reserve champion was exhibited by Sonja Shearer of Abbottstown.

The champion Bred and Owned Heifer honors went to Tim Kinsley of York and his March Angus heifer, SBF Burgess 137. Tim, the son of Mr. and Mrs. Robert Kinsley, also exhibited the grand champion steer. He showed his 925 pound purebred Angus to its breed championship before being selected by Judge Cheryl Moran, Chester Co. Extension agent, as the grand champion.

Annette Walter, daughter of Mr. and Mrs. Donald C. Walter, Airville, exhibited the reserve grand champion steer. Her Angus-Simmental crossbred was selected as the Crossbred Champion.

Other steer champions included: reserve grand champion Angus, exhibited by Susan Eisenhour of Wellsville; champion Charolais steer, exhibited by John Myers of Dallastown; and the reserve champion Charolais steer, exhibited by Gretta Gross of Manchester; champion and reserve champion Chianina steers, exhibited by Allen Werner of Hanover and James Kohr of York, respectively; champion Hereford steer, exhibited by Sonja Shearer of Abbottstown; reserve champion Hereford steer, exhibited by Connie Hoover of Mt. Wolf; Annette Walter of Airville exhibited both the champion Simmental and the champion crossbred steer; reserve champion Simmental, exhibited by Jenny Druck of York; reserve champion crossbred, shown by Bob Livingston of Dover.

In addition to the steer and heifer classes, a showmanship contest also was held. The top Junior division showman was Cathy Shive of Seven Valleys, daughter of Mr. and Mrs Gordon Shive Julie Myers, daughter of Mr. and Mrs. Dale Myers, Wellsville, was the champion Intermediate Showman. The Senior champion was Bob Livingston, son of Mr. and Mrs. George Livingston of Dover.

The York County Preview show was started three years ago in order to give the club members more experience in showing and halter-breaking their animals.

Show placings are as follows:

HEIFER CLASSES

Angus Heifers Class 1
1 Gail Rishel Glen Rock

Class 2
1 Cathy Shive Seven Valleys res champion 2 Julie Myers Wellsville 3 Tammy Eisenhour Wellsville 4 Bill Wise Spring Grove

Class 3
1 Susan Eisenhour Wellsville 2 Deb Hoffman Dover 3 Tammy Eisenhour Wellsville

Class 4
1 Chris Shive champion 2 Tim Kinsley York 3 Joann Rishel Glen Rock 4 Becky Hoffman Dover 5 Sandra Eisenhour Wellsville

Class 5
1 Deb Hoffman Dover 2 James Eisenhour Wellsville

Class 6
1 Tom Bross IV Dover

Charolais Heifers Class 1
1 John Eaton Jr Windsor champion

Chianina Heifers Class 1
1 Jamie Kohr York res champion

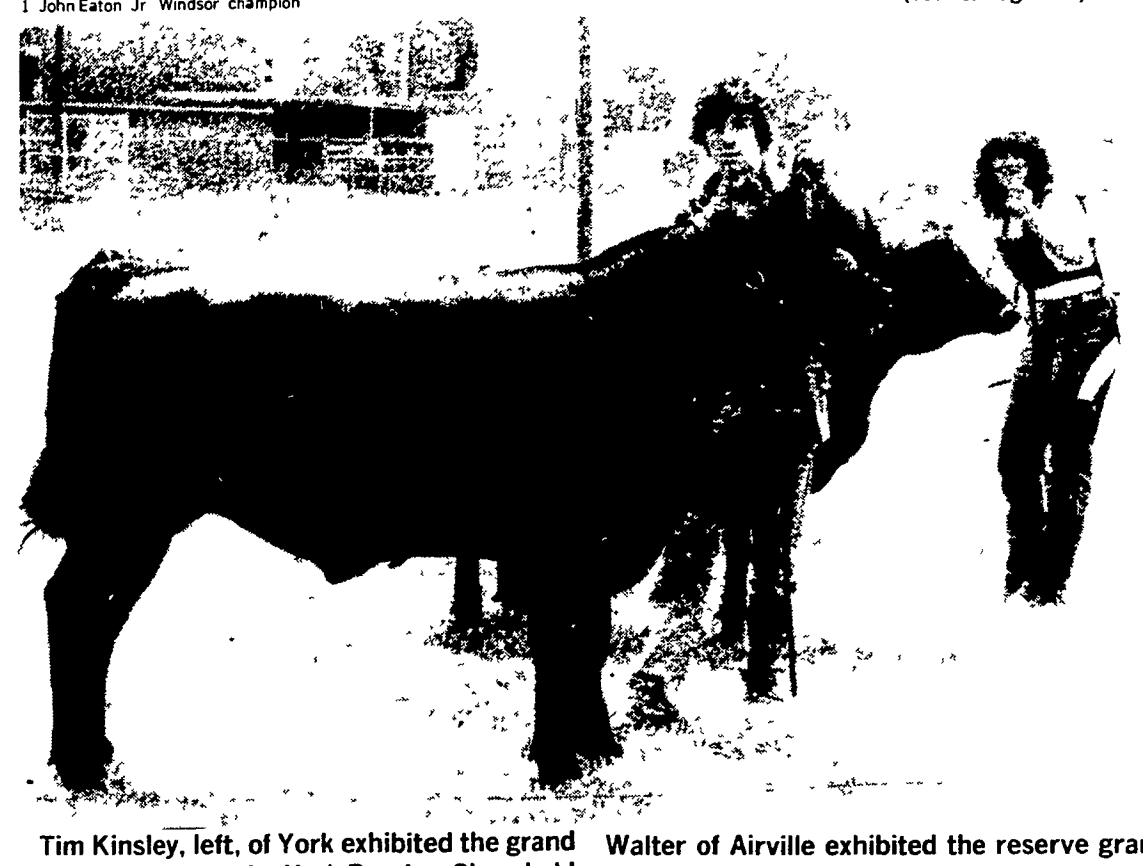
Class 2
1 Jamie Kohr res champion

Class 3
1 Kerri Kohr York champion

Hereford Heifers Class 1
1 John P Hausner Dover champion 2 Sonja Shearer Abbottstown res champion

Class 2
1 Bob Livingston Dover 2 Sonja Shearer

(Turn to Page B33)



Tim Kinsley, left, of York exhibited the grand champion steer at the York Preview Show held recently at the York Fairgrounds. Annette Walter of Airville exhibited the reserve grand champion steer.

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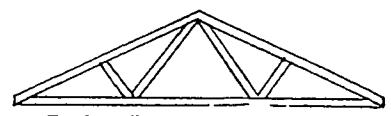

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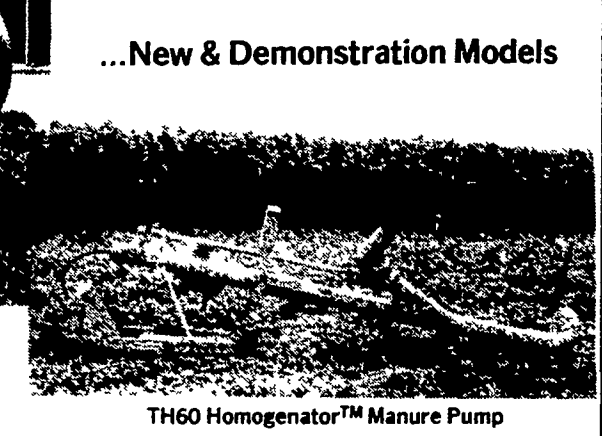

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York 4-H Preview

(Continued from Page B32)

Simmental Heifers Class 1
1 Jimmy Townsend Brodbecks 2 Joseph Druck York
Class 3
1 Jennifer Druck York
Class 4
1 Wayne Stough Spring Grove champion and supreme champion
Class 5
1 Jessica Ferree Spring Grove res champion
Bred & Owned Heifers
1 Tim Kinsley champion 2 Jimmy Townsend 3 Bob Livingston 4 Bill Wise
STEER CLASSES
Angus Class 1
1 Joanne Rishel 2 Doug Caldwell Windsor 3 Karena Rankin Abbottstown 4 Bradley Trowbridge Spring Grove
Class 2
1 Sandy Eisenhour 2 Jim Eisenhour 3 Robin Shive 4 Krista Rankin
Class 3
1 Tim Kinsley champion and grand champion 2 Susan Eisenhour res champion 3 Aaron Laird Dover 4 Chad Fodley Dover 5 Kenley Myers Dallastown
Charolais Class 1
1 John Myers champion 2 Gretta Gross Manchester res champion
Class 3
1 Darby Smith Red Lion
Chiamna Class 1
1 Allen Werner Hanover champion 2 James Kohr res champion
Hereford Class 1
1 Sonja Shearer champion 2 Connie Hoover Mt Wolf res champion
Simmental Class 1
1 Joe Schmuck Red Lion 2 Joe Druck York
Class 2
1 Jennifer Druck York res champion 2 Dave Eriemeier Spring Grove 3 Jay Stough Spring Grove
Class 3
1 Annette Walter Airville champion 2 John Eaton
Crossbred Class 1
1 Bob Livingston res champion 2 Galen Graham Windsor 3 John Hausner Dover
Class 2
1 Annette Walter champion res grand champion 2 Roy Swartz Hanover 3 Jamie Kohr York 4 Doug Carpenter Stewartstown 5 Rick Campbell Hanover
Class 3
1 Eddie Livingston Dover 2 Tom Carpenter Stewartstown 3 Connie Hoover
Class 4
1 Chris Shive 2 Darby Smith 3 Kerri Kohr 4 Lisa Hoover
Grand Champion
Tim Kinsley
Res Grand Champion Steer
Annette Walter
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15 & Up
1 Bob Livingston 2 Tim Kinsley 3 Bill Wise 4 Chris Shive 5 Annette Walter
12 14
1 Julie Myers 2 James Eisenhour 3 John Eaton Jr 4 Jimmy Townsend 5 Steven Gross
8-11
1 Cathy Shive 2 Susan Eisenhour 3 John P Hausner 4 Tom Carpenter 5 Allen Werner

The champion showman in the three divisions at the York Preview Show are: left, Bob Livingston, 18, of Dover, Senior Champion, Julie Myers, 14, of Wellsville, Intermediate Champion, and Cathy Shive, 10, of Seven Valleys, Junior Champion

Wayne Stough, Jr., of Spring Grove captured the title of Supreme champion Heifer with his March Simmental at the third annual York County Beef Preview Show. Shown with Wayne is Mrs. Paul Hoffman, Dover, left, donor of the award.

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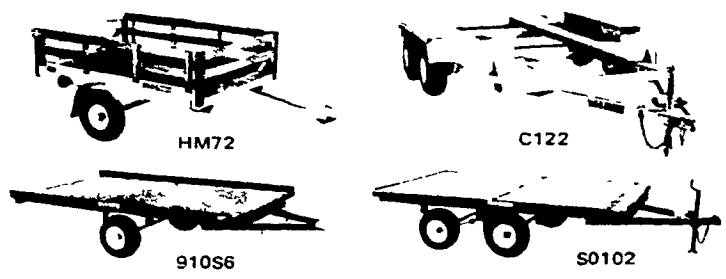

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Paul Ayars' Mooseum, more than boxful of bottles

BY JOYCE BUPP
Staff Correspondent

NEWARK, Del — M.O.O. sounds like an outlandish name for an organization, until you learn that the initials stand for "Milk-bottles Only Organization," a nationwide network of milk memorabilia collectors.

After a morning spent visiting with dairy memorabilia expert Paul Ayars, it's easy to understand why such an organization as M.O.O. exists. In fact, Ayars' collector peers think so highly of him that he served as the "Able Ayrshire" (that's MOO talk for the office of vice president) of their organization for a while. (Black and white breeders will be pleased to note that MOO labels their president the "High Holstein.")

If this sounds like a joke, rest assured that it's all truth, although accepted with tongue-in-cheek fun by MOO members. If anything, the joke is on the dairy industry that one of its all-time, most enthusiastic promoters is not even a dairy farmer.

Paul Ayars was a dairy department manager for the now defunct Pantry Pride, formerly Food Fair, supermarket chain. He took great pride in decorating his dairy case displays with farm-related items, and especially outdid himself in creating June Dairy Month materials.

About 15 years ago, Ayars was browsing through the family attic and found a boxful of old milk bottles. Having grown up on a farm on land next door to his Newark home, those milk bottles churned up pleasant childhood memories. Ayars remembered happy days spent in 4-H and FFA, and the times he'd helped milk his family's cows on the land now owned by the DuPont farm.

Something clicked between Ayars and that boxful of bottles. He polished them up, put them on display, and his wife Dorothy teases that he's never been the same since.

Next thing Ayars was scouting flea markets, bottle shows, and digging for bottles that had been tossed out years before in the trash He carted home his growing assortment and began expanding the display.

When the bottles threatened to take over the Ayars house, Paul set aside a spare room of the neat ranch-style house on Papermill Road and began organizing this collection into a display, using his supermarket display expertise.

Ayars even labeled his milk memorabilia hideaway. He calls it the "Mooseum."

The Mooseum's extensive bottle collection includes many of the very old style with embossed names imprinted directly into the glass in raised letters. Later, dairies purchased standard bottles and had their names and logo screen-printed on in bright colors While black printing was the earliest, according to Ayars, red and orange shades later became predominant, since they showed up well against the stark white of the bottles' contents.

Milk bottle collectors like Ayars take special pride in their amethyst bottles, which date back approximately to a time from the 1890s to about 1915.

The pale purple tinting of the glass resulted when the bottles were exposed to sunlight, causing a chemical reaction in the magnesium added to the glass as a cleansing agent.

One brilliantly-purple bottle that Ayars has on display, though, is not of chemical-change origin. Dating to 1929, it is simply a purple milk bottle which Ayars admits is a rather unusual color for milk to have been packaged in.

A few dairies chose squarish, dark-amber-brown glass containers for packaging milk. Ayars has several of that type from Cloister Dairies of Ephrata.

Unusual colors in the dairy bottles, as well as uncommon shapes, plus the rarity of the bottles, all add up to increased value of each type.

A "bowling pin bottle," shaped like the traditional target of the game, is one of Ayars more uniquely-shaped bottles on display in the Mooseum. That rare find once held fluid milk packaged by the Sherbrooke Milk Company in New England.

Bottle sizes were mostly the traditional quarts and pints, although a few states set standards calling for containers in a one-third quart size.

School youngsters, familiar with the square half-pint carton, would be fascinated with the Mooseum's first school milk bottles. About seven inches tall, the very slender bottle has the slogan "Milk, the First Choice" screen printed in red letters.

By contrast to the dainty school milk bottle, Ayars takes off one shell a giant, half-gallon glass bottle, in the familiar quart shape It bears the name and a logo of the Girton Company, more commonly known today as a producer of bulk stainless steel milk tanks. Ayars says this large glass bottle was for feeding calves, farm more fragile to a butting calf than today's plastic nursers.

Most bottles are fairly sturdy, claims Ayars, and can take the washing and scrubbing it takes to get them clean.

"But I just recently broke a pretty rare one," he frowns. "Now, that hurts."

Also among the unique bottles in the Mooseum are some foreign types, including a plastic quart from Spain, and cardboard German types.

Cardboard, coated with plastic, made up some of Ayars' collection of the early throw-away types. Unlike today's familiar square cardboard containers, those first disposables were round and sloped, Indian tee pee style, from a narrow top to a more broad bottom.

But it's not just bottles that line the Mooseum shelves, walls, tabletops, even ceiling. A great many of the fascinating items are "go-withs," a label used by hobbyists to describe items closely related to their major collecting interest.

Large dairy promotion posters and display materials, many of them mementos of Ayars' dairy department days, add colorful backdrops to the glistening bottles filling the room. Ayars tries to keep his collection current with as much up-to-date promotional materials currently being used as he can obtain

Dairy-related toys include several miniature horse-drawn milk delivery wagons, reproductions of milk trucks and banks in the shapes of cows and delivery trucks.

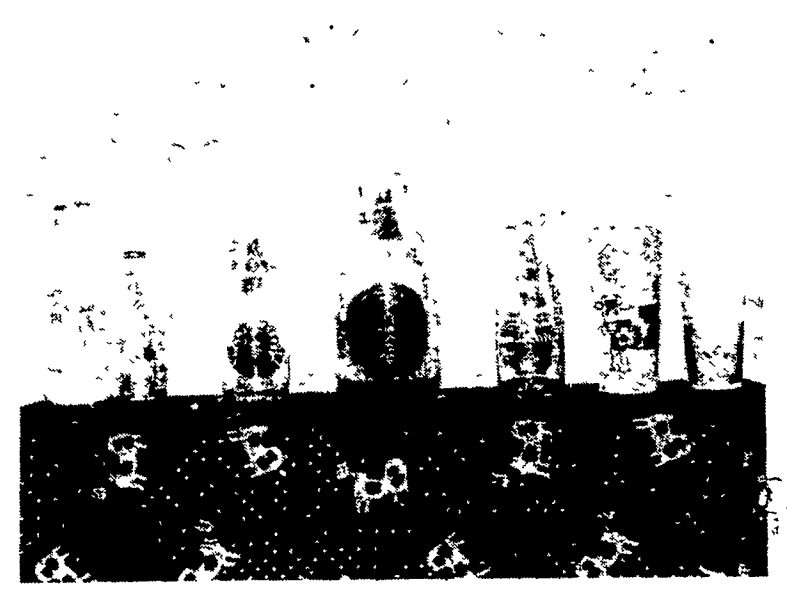
Hood covers, the pliable milk bottle lids that once kept milk clean and sanitary, comprise another "go-with" category, as do several hundred milk bottle circular cardboard caps with company labels and advertising. Such items are good for trading, and for use in bartering for other collectables.

Although ice cream has been a favorite dairy food for decades, making the treat has not always been a matter of plugging in the cord. Three items in the Mooseum typify days of more difficult ice cream creating.

Estimated by Ayars to be the

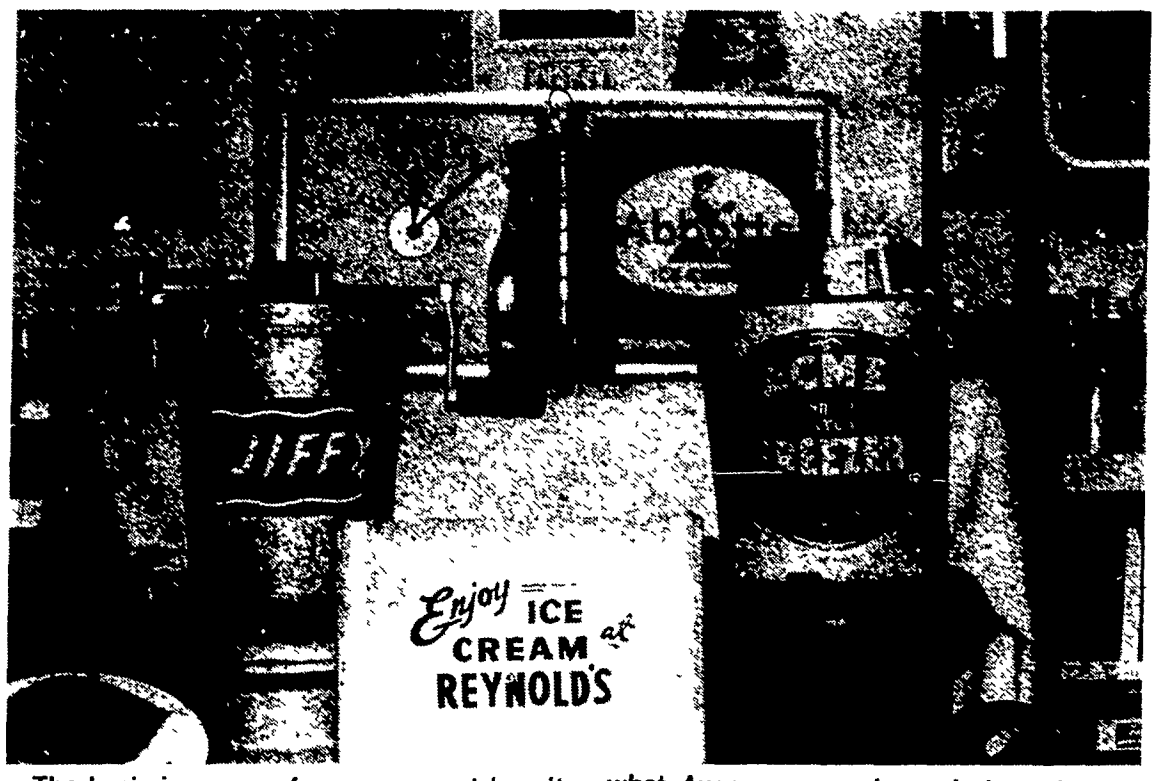
(Turn to Page B36)

Tribute to an era gone forever, Paul Ayars has filled the "Mooseum" room of his Delaware home with mementos to the nation's dairy industry, including so many milk bottles that he's lost count.



Today's Pure-Pak plastic and cardboard packages are the familiar square shape, but the earlier styles that Paul Ayars displays in his Mooseum are tall, circular, and slope from a narrow mouth to a broader base.

Milk may still be milk on the other side of the world, but packaging reflects a range of cultures. From left are a few of the Mooseum's special foreign containers: a plastic quart and glass pint from Spain; an English type, in the center a Girton company calf-feeding half-gallon bottle; another English bottle design, and at right, German cardboard packages.



The basic ice cream freezer concept hasn't changed much in the past half-century. Displayed in the Mooseum are three earlier ice cream makers. Newest is the "Jiffy" at left, a very old Acme model at right, and at center, what Ayars guesses is an icebox glass container for holding the freezing cream with a fan-blade-like stirrer to break up the freezing pieces.

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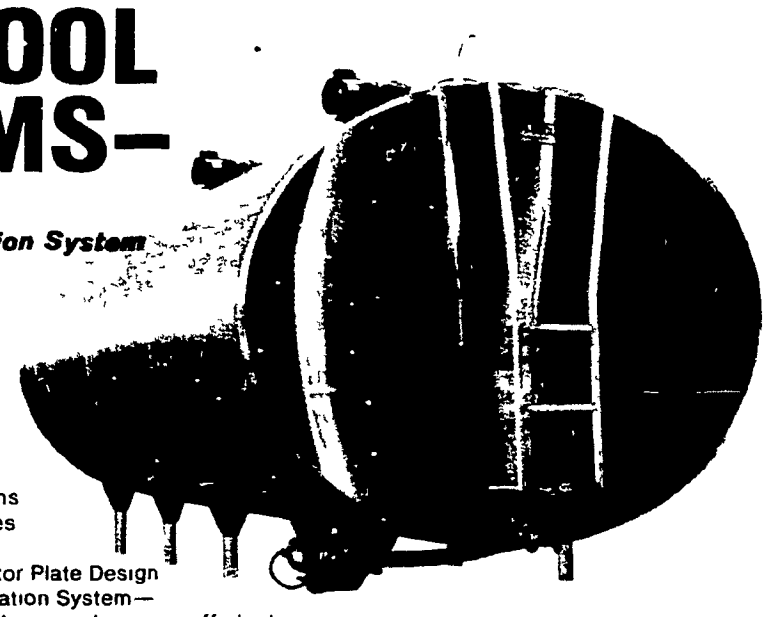

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Mooseum

(Continued from Page B34)

oldest crank-style freezer in his collection is a well-preserved tub and turner labeled "Acme - the five minute ice cream freezer." This two-quart crank freezer is about a half-century old and was made in Philadelphia A companion freezer of similar size, the "Jiffy" model is much newer.

One item that has stumped Ayars is a round glass container, about ten inches high and about four inches across, and open at the top It came complete with a stirring instrument, shaped like fan blades on a long wooden-dowel handle. Ayars speculates that this "Sanitary Freezer" made by the Consolidated Manufacturing Company, was used for making ice cream in the ice-box, using the stirrer to break up large ice particles that formed.

One corner of the Mooseum is devoted to a hero of Paul Ayars, Milton Hershey, founder of the Hershey Milk Chocolate empire Ayars expressed a great admiration for Hershey, and collects anything he can lay his hands on that ties to the Hershey firm, from cookbooks to old Hershey Christmas party programs

But, inevitably, the milk memorabilia collection overflows its Mooseum area and finds its way through the house

Ayars' wife Dorothy relates how he "surprised" her one day by redoing her kitchen display shelves in assorted milk bottles. A milk can holds up a table top in the living room, cow-decorated fabric forms tablecloths, and there's a stool made from a tractor seat mixed in with the comfortable decor

Even the piano boasts sheet music with dairy decorations, a notes-only ode to 'A Farmer Returning Home." Ayars shares with visitors a copy of song he's found which includes a verse about a cow that, when fed ice in her feed, gave ice cream.

As part of their collecting hobby, the Ayars set up displays at various bottle shows and public events, and always make a point of handing out dairy literature. Often, too, they'll invite the Delaware dairy princess to make an appearance and handle the dairy promotion part. In late June, current princess Lynn Bullen, and the Ayarses will add their contribution to dairy promising when the Tall Ships festival comes to Delaware.

Ayars is past president of the Tri-State Bottle Collectors Association, which includes members from Delaware, Pennsylvania and Maryland. He's also past president of the historical society of Christiana, Delaware, and continues to serve on their board of directors.

Milk 'officially' quenches Pa. thirsts

This young man was one of several fraternity members competing in the recent Penn state Dairy Expo milk chugging contest. Several quarts of the official drink disappeared as teams neared the finish line.

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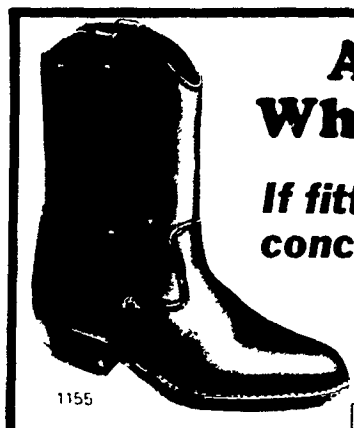

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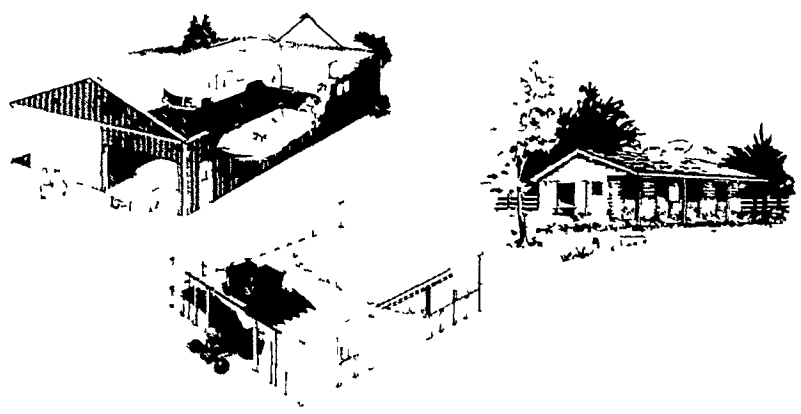

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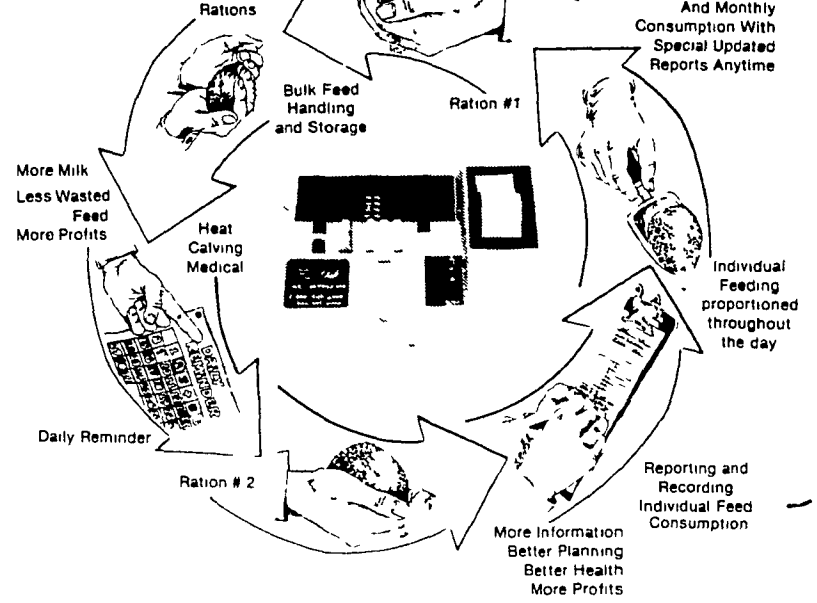
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Hunterdon Co. plans pageant

FLEMINGTON N J — The annual Hunterdon County dairy princess pageant is scheduled for June 30 at the Stanton Grange

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During June there will be stepped up promotion of milk and milk products by our Hunterdon County Dairy Princess Sandy Rogers, daughter of Charles and Joan Rogers, Penn-Breeze Farm in Raritan Township Under the direction of Donna Baker milk promotion coordinator for the American Dairy Association, Sandy will make appearances at shopping centers and malls, in schools and before civic groups promoting milk and dairy products

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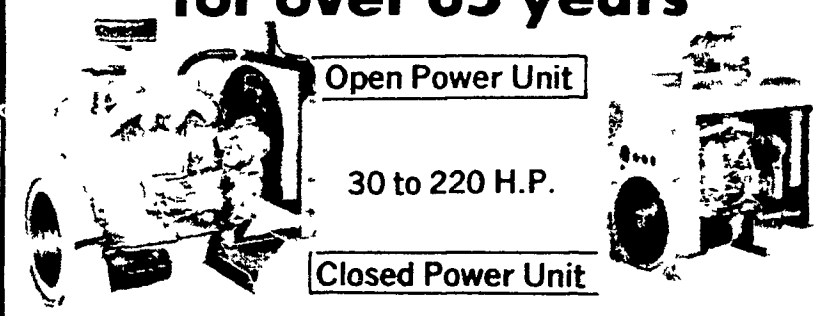

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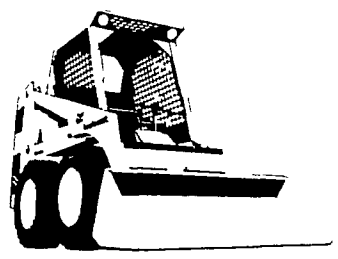

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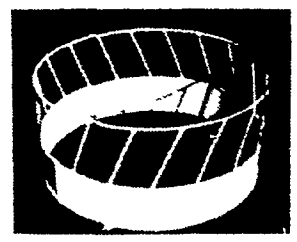

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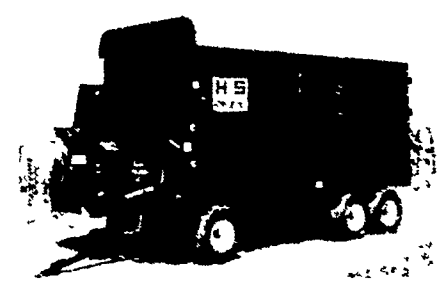

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Six compete for Lancaster Dairy Princess title

BY SALLY BAIR
Staff Correspondent

LANCASTER — Six young women will compete for the title of Lancaster County Dairy Princess Saturday, June 19 at the Host Farm Resort at a contest which begins with a reception at 6:30 p.m. followed by dinner at 7 p.m.

Contestants include:

JoAnn Brenneman, 18, is the daughter of Mr. and Mrs Elvin Brenneman, R1 Mount Joy. A graduate of Lancaster Mennonite High School, JoAnn plans to attend Johnson and Wales Culinary College. She is active in the Erisman Mennonite Church, 4-H County Council and is a leader for the bread baking 4-H club. Her parents operate a 70-head Holstein herd.

LuAnn Brenneman, 21, is the daughter of Mr. and Mrs Elvin Brenneman, R1 Mount Joy A 1979 graduate of Donegal High School, LuAnn attended Calvin College in Grand Rapids, Michigan for two years. A former 4-H'er, LuAnn is a Sunday School teacher at the Mount Joy Mennonite Church and is on the Steering Committee for Mount Joy Project Peace. She is co-host of "Witness the Spirit" television program in Reading and just returned from a 6-month mission program supported by the Mount Joy Mennonite Church

Jodi Brubaker, 17, is the daughter of Mr. and Mrs. James Brubaker, R1 Mount Joy. At Donegal High School she is in tennis, wrestling, cheerleading and the band colorguard. She is in the youth group and the girls' softball team at church. Her parents have 90 head of Holstein.

Gail L. Ginder, 16, is the daughter of Mr. and Mrs. Robert E. Ginder, R3 Elizabethtown. A student at Manheim Central High School, she plans to farm with her father after graduation. He has a herd of 70 Holsteins. She is active in her church youth group and is a member of the Future Farmers of America. A member of both the 4-H Beef Club and the 4-H Dairy Club, Gail is a member of the National Honor Society.

Karen Schmuck, 19, is the daughter of Dr. and Mrs. Larry A Schmuck, R2 Peach Bottom. Now working fulltime at home on the farm, milking cows and doing field work, Karen also sings in church and serves as a teacher of junior church as well as working in the church nursery. She also works parttime as a secretary for seven doctors. Karen owns 20 of the 120 head of cows in the family's mixed breed herd.

Crystal Sweigart, 17, is the daughter of Mr. and Mrs. Arthur Sweigart, R1 Mount Joy. A student at Donegal High School, Crystal is active in field hockey, cheerleading, and basketball and plays softball for church as well as serving as secretary in the church youth group at the Mount Joy Mennonite Church Her family has a herd of 50 Holsteins

Tickets for the contest cost $10 and can be purchased from Chairmen Mr. and Mrs. Elvin Brenneman, the Extension office or any of the contestants. Tickets deadline is June 11

Grover Goucker, Jr. will serve as master of ceremonies for this annual event, and entertainment will be provided by Debbie Brubaker, a former Pennsylvania Dairy Princess.

The 1982-83 Dairy Princess will be crowned by Deb Greider, the current reigning Dairy Princess, and will compete in the Pennsylvania Dairy Princess contest in September.

JoAnn Brenneman

LuAnn Brenneman

Jodi Brubaker

Gail Ginder

Karen Schmuck

Crystal Sweigart

Four vie for Adams dairy crown

BY GINGER SECRIST MYERS
Staff Correspondent

NEW OXFORD — Four contestants will compete for the crown of Adams County Dairy Princess at 8 p.m. on June 19 at the Biglerville High School. The event, sponsored by the Adams County Holstein Club, is free to the public and in addition to the contest, will feature entertainment and refreshments

Vying for the title are:

Jennifer Behney is the daughter of James and Jean Behney, R2 York Springs. This 19-year-old presently attends Slippery Rock State College where she is majoring in Health and Physical Education. Jennifer served as the 1981-82 Alternate Dairy Princess for the county

Hailing from a 60-cow Holstein farm, Jennifer has been very active in 4-H. At college she is involved as an assistant diving coach, member of the HPED Club, plays softball, and is involved in the Athletic Training Program

Eighteen-year-old Kathy Holtzinger is the daughter of Roy and Olive Holtzinger, R2 East Berlin A senior at Bermudian Springs High School, Kathy plans to attend Hagerstown Business College where she will pursue a major in Court and Convention Reporting.

Active in several school functions, Kathy served as president of her high school chapter of the Future Business Leaders of America, was a member of the marching band, concert band, was copy editor of the yearbook, and played on the field hockey team Kathy's father sold his cows to her brother Kevin, but Kathy still owns one cow and is well acquainted with dairy chores.

Peggy Murren is the daughter of Thomas and Marion Murren, Hanover, R4. This 18-year-old attends the New Oxford Senior High School where she recently received the Star Chapter Farmer Degree from her FFA Chapter. Having an avid interest in nature and conservation, Peggy hopes to become a park ranger.

The owner of six registered Guernseys, Peggy has been very active in both 4-H and FFA programs. She has held office in her local FFA Chapter and has served as a 4-H county senator. At school, she is a member of the band and has served on the 1982 yearbook staff.

Mary Gulden, 18, is the foster daughter of Alan "Rick" and Sally Myers, Gettysburg R2. Mary is in her junior year of high school and attends Littlestown Senior High School. She is active in the art club at school and works as a student aid for the Lincoln Intermediate Unit. Her future plans are undecided

In her spare time, Mary enjoys photography, bowling, and animals A former 4-H member, Mary's father serves as herdsman for Mason Dixon Farms giving Mary ample exposure to the producers of nature's most perfect food

Judges for this year's competition include Cindy Neely, 1980 State Dairy Princess, John Howard, Lancaster County dairyman and former PHA director of special programs; and Lynn Tilton, senior editor of Pennsylvania Farmer.

Clearfield dairy pageant kicks off dairy month

and Brenda Morris leads the way

GRAMPIAN — Clearfield County was one of the first to kick of June Dairy Month activities with the annual Dairy Princess Pageant, held at the Penn Grange here, May 29, with a dinner prior to the contest.

Brenda Morris, a senior at Harmony High School, was selected to represent the dairy industry in Clearfield County during a one year reign.

The 18-year-old from Mahaffey is the daughter of Thomas and Dorothy Morris. She told the gathering of about 60 that her major goal during the next year will be gearing the dairy campaign to children. "That way we get two age groups at one time," smiles Brenda. From her experience as first runner-up last year, Brenda has learned that the younger children take their desire for dairy products home to their parents.

Brenda is relatively new to farm life. Her family has only been farming for four years. She says they began dairying after the family of six moved from Ohio to the 200 acre farm

Her father came from a farm background and has ignited the interest in his children. Brenda has the experience to promote the industry; it's the job of the new dairy princess to milk the 51 Holsteins on the family farm each morning and night

Following a June 27 high school graduation from Harmony, delayed by a strike, it will be necessary for her to teach her young sister to take over the milking. In the fall Brenda plans to attend the Altoona Hospital School of Nursing.

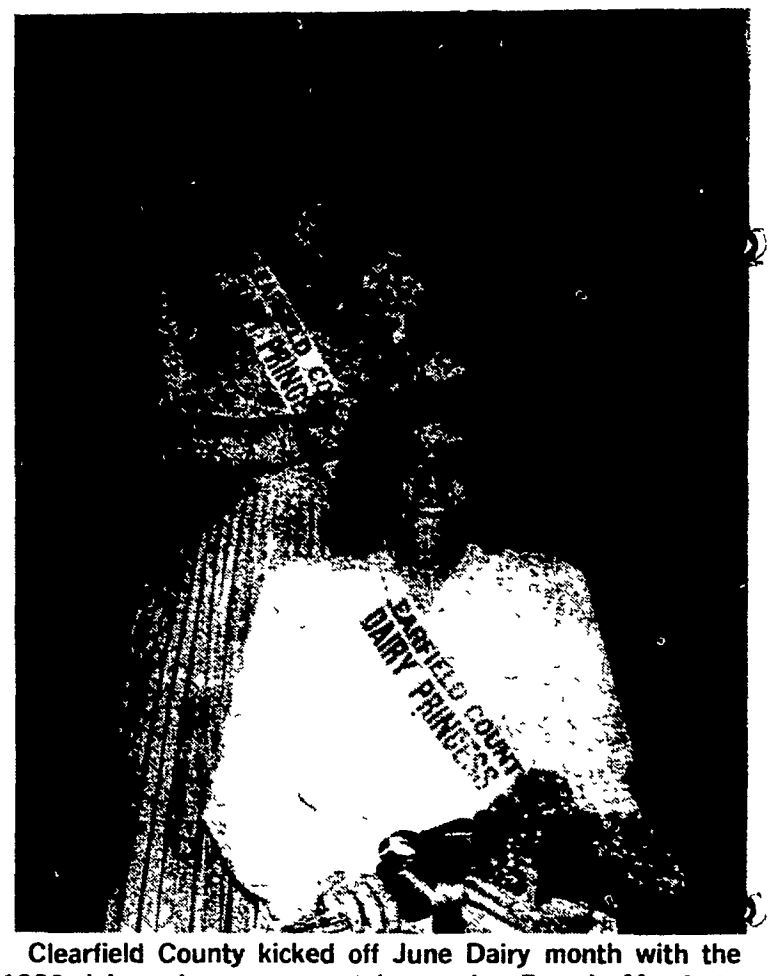
The young dairy princess will be kept very busy, but anticipates enjoying her new role. "You get so much out of the position," says Brenda optimistically. "Compare the work you put into it and the benefits you get. It's worth it "

Last year's dairy princess, Ann Brink, crowned Brenda and took that time to thank the people she worked with, especially her family, for all their help.

She told the group of supporters about her past year's promotions, radio programs and visits to school and fairs to enforce the idea that dairy products are the best.

Ann passed the job of crusading for the dairy industry onto her successor by concluding that her year as dairy princess was one of the best experiences a girl could ever have.

The 1982 Dairy Princess Pageant didn't get away without some setbacks, but they were overcome by the committee, chaired by Mr. and Mrs. Orvis Gulich. Just days prior to the pageant, two contestants and the entertainment cancelled out causing disappointment. However, it took only minutes to realize that the one chosen to represent dairying is an attractive young woman with the ability to sell dairy products, and Clearfield County's support is totally behind Brenda Morris.



Clearfield County kicked off June Dairy month with the 1982 dairy princess pageant by naming Brenda Morris to bear the title. Crowning her is last year's princess, Ann Brink.

Nancy Eisenhart is York Co.'s new dairy princess

BY JOYCE BUPP
Staff Correspondent

YORK — Nancy Eisenhart, daughter of Mr. and Mrs Rodney Eisenhart, Thomasville R1, was crowned the 1982-83 York County Dairy Princess last Saturday evening during pageant ceremonies held at the 4-H Center.

Other contestants were first alternate Lona Anderson, Penny Hess, selected second alternate, Donna Godfrey and Kathy Rauhauser.

Nancy is an 18-year-old senior at Spring Grove Area High School, and plans to study computer science at Penn State, York Campus. A member of the Thomasville 4-H Club, she's the president of the York 4-H County Council. Her school activities include serving as the chief typist

(Turn to Page B40)

Nancy Eisenhart, center, is York County's new dairy princess Assisting her with dairy promotions for the next year will be first alternate Lona Anderson, left, and Penny Hess, right, the second alternate

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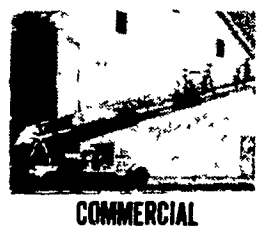

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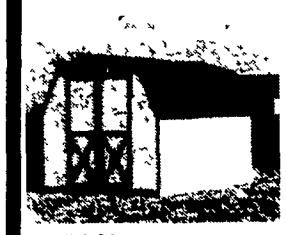

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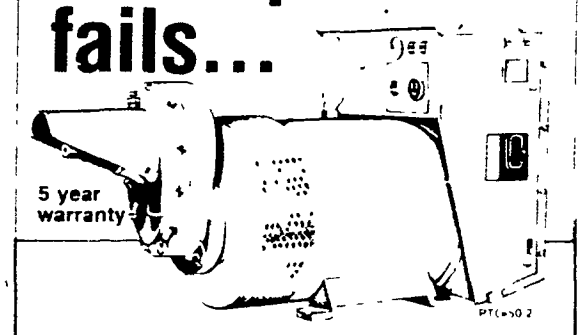

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Nancy Eisenhart is dairy princess

(Continued from Page B39)

for the school's newspaper and marching with the band color guard.

The Eisenhart family milks a herd of 70 Holsteins, where Nancy assists with milking in the recently-added milking parlor, and working as needed at other chores.

One of the two contestants chosen to give her skit during the pageant program, Nancy used a monkey hand-puppet that clutched her shoulders to present a talk on milk suitable for a children's presentation. During the question-answer portion, Nancy was asked what one question she would ask President Reagan if given the opportunity. She replied that she would ask him "What are you going to do for farmers."

First alternate Lona Anderson is the 17-year-old daughter of Mr. and Mrs. H. Gene Taylor, R2 Glen Rock. She's a senior at Dallastown Area High School, and plans to work on the family farm before studying to become a computer systems analyst

Manager of the school's volleyball team, Lona's other interests include sports such as swimming, and riding horses She also sews, and made the gown she wore in the pageant.

Lona helps milk the family's 47 Holsteins, and assists with calf feeding chores and clean-up duties.

Penn Hess, 17-year-old daughter of Mr. and Mrs. Charles Hess, won the second alternate title. A senior at Dallastown Area High School, Penny is a sports enthusiast and plans to study athletic training at West Chester State College

She's played field hockey, managed the baseball team, and played in the school band for four years and served as chairman of the prom decorations committee. A hostess at Pappy's Pizza, Penny also enjoys weightlifting, and horseback riding

She helps with milking and various other chores on the family's 85-head Holstein milking operation.

John Koop, an industrial engineer supervisor at Sperry New Holland and member of the Toastmaster's Club, served as emcee for the annual pageant Judges were Joyce Graybill, former director of promotion of Atlantic Dairy Association, Virginia Martin, former home ecnomics and music teacher and home economist with the Maryland Extension service; and John Cope, general manager of Ashecombe Farms and past state Holstein president.

Entertainment for the evening featured "Cabin Creek", a York County bluegrass and gospel group

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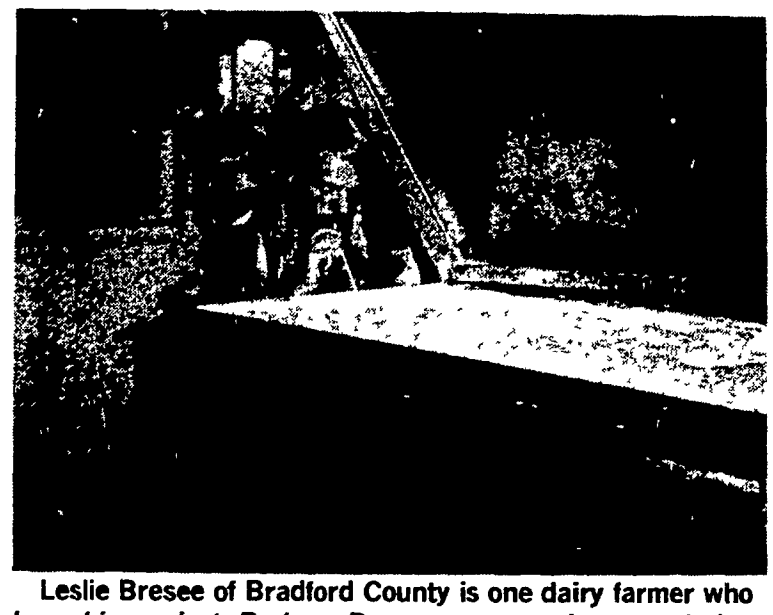

Leslie Bresee of Bradford County is one dairy farmer who loves his product. Perhaps Bresee even may have a solution to the milk surplus problem.

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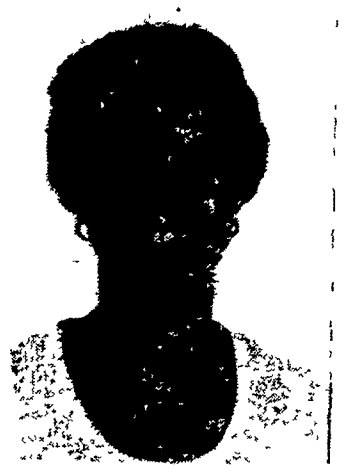

On being a farm wife -And other hazards

Joyce Bupp

Cows have been cheated

In the Chinese calendar, various animals such as cats, dogs, even roosters, have their own years. I've never heard of the year of the cow. Have you?

At least cows have their own month. June. National Dairy Month. Let's face it. Without cows, there'd be no need for celebrating dairy month

Sometimes cows make more sense than people do. Nowhere in history do you read of two herds of cows making war on each other, which is more than you can say for us two-legged beasts.

But like people, cows are basically beloved or berated on their personalities and performance. A gentle, friendly bovine that may not be the top producer will probably hang around the farm longer than the bucket-buster with a contemptible streak and a reputation as a body bruiser with her lightning-fast hind foot.

Crazy kickers aren't tolerated long in our barn, and find themselves kicking all the way out the road on the back of the truck So mostly we're blessed with an abundance of even-tempered milkers, with only a few warped-types here and there

Fanny's a heifer who endeared herself to me when she freshened last summer for the first time With a badly swelled udder, she threatened to be not much to look at, but made up for it in lovableness As we neared her with the milking equipment, Fanny would begin bawling a welcome. It became common for Fanny to snatch the hat or lick the hair of the person washing her udder

She fooled us by milking an incredible record as a beginner and putting on a fairly decent udder Her hat fixation has been replaced with a hay fixation, and I haven't seen her kiss anyone lately

Renee is a newcomer, but won my heart when she left her feed momentarily to come nuzzle a welcome with her wet nose Very affectionate, Renee loves to be scratched on her poll, the bump on the top of her head

"A little to the left," she'll indicate, leaning her big head so your carassing fingers hit just the right spot

Old #694 is one of the characters " She'll wait until the milker is about half finished, then delicately pick up her foot and set it down square on the machine With ties to the herd at Penn State, I suspect #694 is an example of what happens to cows with higher education in their backgrounds

We even have a music critic Katie Last week one evening, I absent-mindedly hummed a tune while washing this big, black cow Glancing up, I spied her staring straight at me with the obvious

And who ever told you that you could sing'" question written all over her face

So remember during June dairy month, to say Thanks! " to a cow

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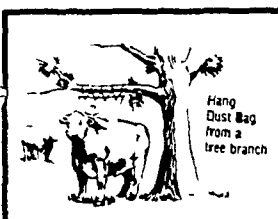

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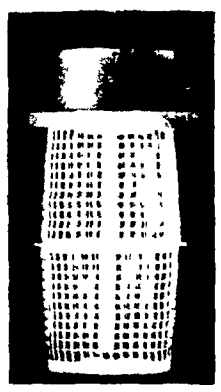

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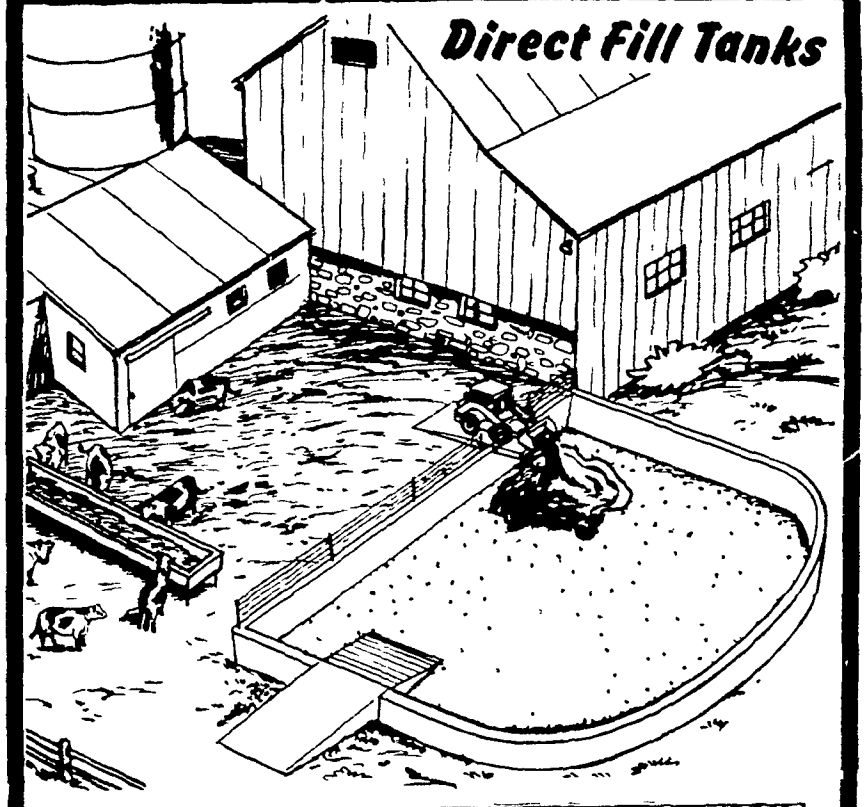

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Maryland Extension announces 4-H horse winners

COLLEGE PARK, Md. — Sometime this summer, Sarah Ehlert, 15, of Emmitsburg will travel to Rio Grande, Ohio, and become the proud owner of a quarter horse colt donated by Bob Evans Farms.

Ehlert won the colt by finishing as over-all grand champion in last month's statewide Maryland 4-H Horse "Spring Thing," a one-day educational and competitive youth event held April 17 at the Howard County Fairground near West Friendship.

Her victory was based on combined scores from horsemanship and demonstration contests and a personal interview She had been named champion among 13 participants in the senior division of the state 4-H horse demonstration contest. Her prize-winning presentation was titled "Genetics of Coat Color."

Sarah tied for tenth among 65 senior 4-H participants in the horsemanship contest, and she was tenth among 16 individuals in senior 4-H horse judging.

For the second consecutive year, a Harford County team won the senior 4-H horse bowl knowledge contest. The team is now eligible to represent Maryland in national competition set for Oct 2-4 during the Keystone International Livestock Exposition at Harrisburg, Pa

Captain of the winning Harford County horse bowl team was Robin Gepp, 18, of Darlington. Other team members were Robin's sister, Melissa Gepp, 16; Annette Heiser, 18, of Fallston, and Joanne Leftridge, 15, also of Fallston.

Another Fallston area resident, Wendy Weller, 14, was an alternate team member. Coach of the winning team again this year was Rosa Bosley of Jarrettsville.

A Howard County team won the junior state 4-H horse bowl championship. Beth O'Connor, 10, of Glenelg was the team captain.

Other team members were Beth's brother, Robert, 12; Charlotte Dunigan, 11, of West Friendship, and Alicia Loar, 13, of Arbutus, a Baltimore County resident with Howard county 4-H membership.

Alternate team member was Bird Mobberly, 13, of West Friendship.

There were 20 counties represented in this year's statewide 4-H horse activity, according to Norman G. Smith, a state 4-H Extension program leader at the University of Maryland in College Park. Fifteen of these counties were represented in the statewide junior and senior 4-H bowl competition.

Attitude important in stress control

LANCASTER — Are the stresses of everyday life getting to you? Do you find yourself thinking that you need to make some real changes in your life in order to lower the stress level?

"Actually, a much more realistic way of dealing with stress is to change your outlook on life," says Greta C Vairo, Extension home economist with Penn State Extension. Once you begin to realize that you are contributing to your own tension, the closer you'll become to managing your stress.

Learn to think positively Viewing the world negatively only creates unnecessary tensions which are physically and emotionally tiring. A positive attitude is best for your health and productivity.

Try to recognize and accept your limitations. Many of us set unrealistic goals and then find that we cannot live up to them. We are all different people having unique strong and weak points. If we can know and accept our strengths as well as our limitations we will become better stress managers.

Learn to be an organized person. This will lead to an outlook of "being in control." You can manage stress better when the daily events of your life are under control and not ruled by circumstances.

"Don't forget one extremely important asset for healthy living—a sense of humor," says Vairo. Be able to laugh at yourself occasionally. We all make mistakes and sometimes we tend to take ourselves a little too seriously. You will probably be less likely to fall victim to stress if you can adopt this attitude.

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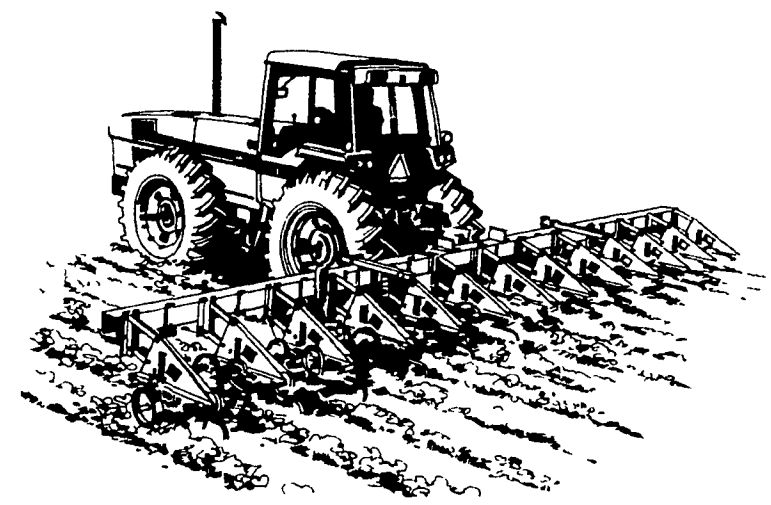

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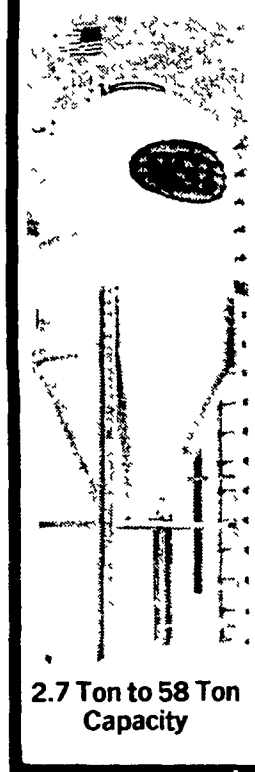

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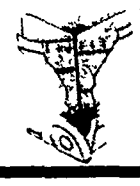

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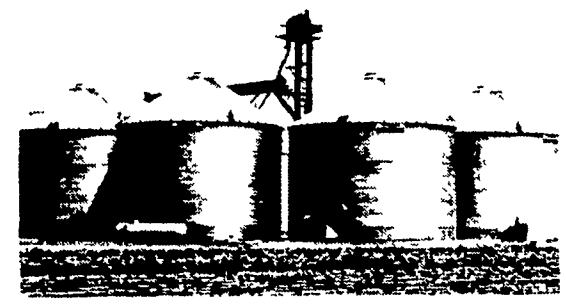

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Md. Angus sale posts $1,035 average

FREDERICK, Md. — A standing-room-only crowd attended the Maryland National Angus Sale, Volume II, which posted an average of $1,035 on 65 lots, on May 21 at the Frederick Fairgrounds

Topping the sale at $4,100 was lot 32, Mar Lee Skyhigh Lass T163, bought by Rocky Forge Farm, Hagerstown, Md. Consigned by Mar Lee Farm, Woodsboro, Md., this 1980 daughter of "Sky High" out of a "Dynamo" dam, sold with a March 27 show-prospect heifer calf by Mr Angus at side

Close behind in second place at $4,000, lot 70, Edlyns Blackbird Dyna 576, was sold to P T McIntire & Sons, of White Post, Va and Northcote Angus, Forest, Va This daughter of "Dynamo" out of a "Colossal" dam was consigned by Wildesen Farm, Uniontown, Md. and had an April heifer calf at side by Shoshone Viking G D 60

Lot 61, S R Petunia Lass III, consigned by Soldier's Rest Farm, Berryville, Va , sold for $3,000 to The Oaks of Maryland, Brownsville This four-year-old, daughter of Spur Emulous Master 1828 was bred to the record-selling bull, Lovana, to add to her value Several other cows sold for $2,000 or more

The top selling bull was Lot 40, Stonylonesome Dynamo 18N, a February 1981 calf by Ankonian Dynamo out of a Mon Reposa Chaparral dam consigned by Oatland Farm, Olney, Md. This calf had a 640-pound weaning weight and sold to B&B Farm, Martinsburg, W Va for $1,375 The second high selling bull was Lot 31, a son of Loma Lanes Cracker Jack 12J out of a Happyvale Marshall Pride dam A March, 1981 calf, he sold to Glen Noffsinger, Springfield, Va for $1,175

A semen auction was held for the benefit of the Maryland Junior Angus Association's fund for the 1982 Eastern Regional Junior Angus Heifer Show Semen was donated by several breeders and the auction netted the Juniors $2,105 Topping this sale was semen and certificate for Mr Angus, selling at $300 to Bill Ledford, Mt Airy, Md Another unit of Mr Angus sold for $300 to Irvington Farms, Gaithersburg, Md

The Mr Angus semen was donated by Premier Angus, Michigan The next highest selling unit also went to Ledford for $250 This was semen and certificate for Bon View Connection 69, donated by Rally Farms in New York

The sale was managed by American Angus Hall of Fame, Smithville, Mo Sale chairman was Leo Miller, Woodsboro, Md and Mike Jones was the auctioneer

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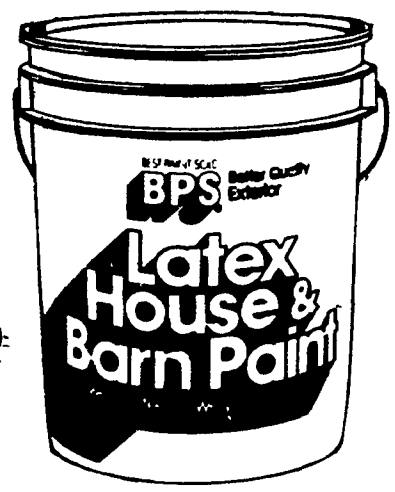
June is dairy month



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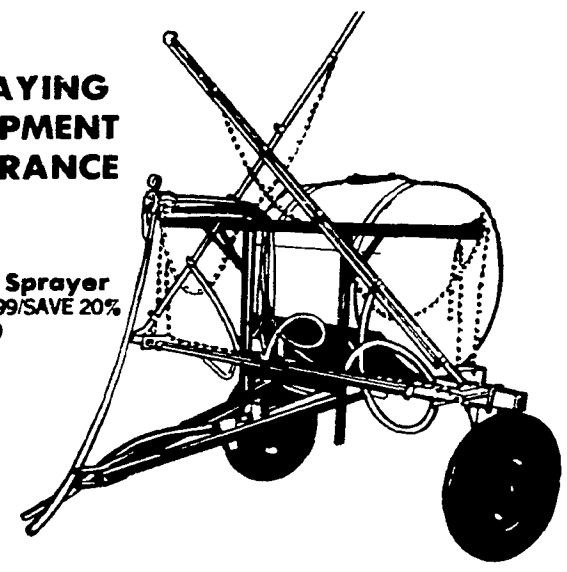

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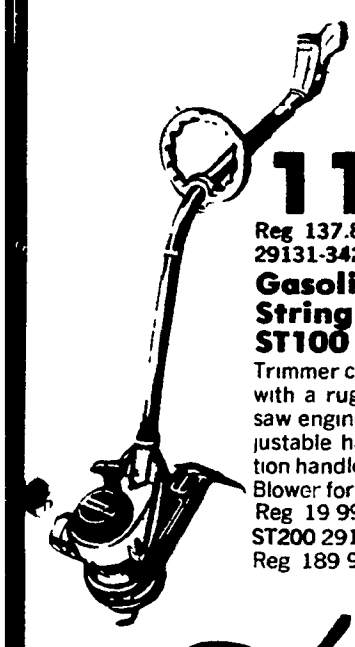

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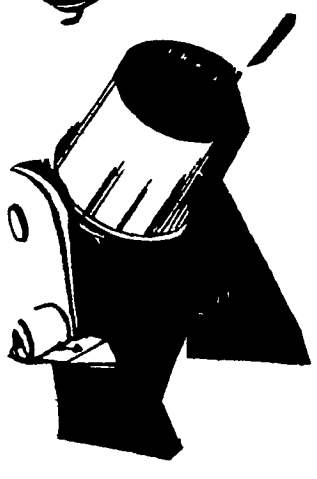

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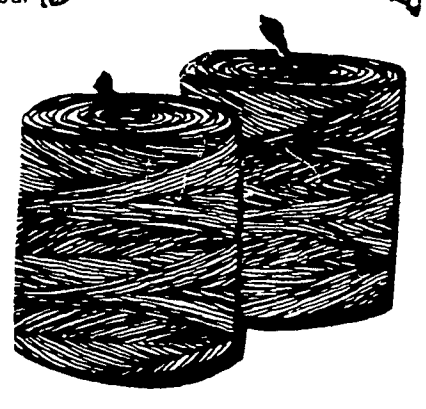

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Delaware Dairy Princess completes active year

BY JOYCE BUPP
Staff Correspondent

MIDDLETOWN, Del. — Pretty, dark-haired Lynn Bullen has had a busy year. Last summer she was crowned Delaware Dairy Princess, and during the intervening months has been actively promoting milk on appearances throughout the state.

In between dairy princess events, she'll likely don her FFA jacket and be found promoting the Future Farmers of America as the state sweetheart. Later this year, Lynn will compete in the national sweetheart competition to be held during the national FFA convention in Kansas City, Missouri.

Seventeen-year-old Lynn lives with her parents, Mr. and Mrs. Eugene Bullen, on their R1 Middletown dairy and grain farm. A senior at Middletown High, she'll begin classes at Goldey Beacom school in September, pursuing executive secretary training. One aim of the princess is to eventually combine that business training with her farm background into a job serving agri-business.

An active member of the FFA, Lynn just recently turned over the gavel of chapter president to her successor, after holding the office for two years. She'll now lend her experience to the younger vo-ag students in the capacity as a junior advisor.

Winner of numerous awards for scholarship and leadership, Lynn has earned the state farmer award and was chosen her chapter's star farmer. As do most FFA achievers, she plans to apply for the organization's highest honor, the American farmer degree.

As the owner of five registered Holsteins, two cows and three heifers, Lynn says she enjoys cattle judging. She was a member of the second-place team at state competition and placed fourth in individual competition. A recognized leader in school, Lynn was the first recipient last year of the newly-created Cavalier award honoring outstanding students.

In her few spare moments, she volunteers at the Delaware Agriculture Museum, working mostly in the gift shop, but serving as a guide when needed.

Lynn's selection as Delaware's dairy princess was the culmination of two days of competition during the Delaware State Fair. All contestants took part in a "pretty animal" contest. Lynn dressed like Mother Nature, with her decorated cow as Nature's most nearly perfect food. Along with the other contestants, she also had to milk a cow for 90 seconds and present a three to five minute skit.

Lynn's been putting her skit to frequent use, carrying with her a Milky the Cow as a prop in helping to tell the dairy industry story to elementary age school youngsters.

During last weekend's June-dairy month kickoff event on the Mall in Washington, D.C., Lynn represented Delaware dairy producers, helping to hand out promotional materials and meeting consumers. Along with other state princesses, she recently took part in a mini-parade at the Philadelphia Zook, and appeared on the Captain Noah show.

Lynn's father and brother farm 230 acres and milk a 50-head dairy herd in partnership. Although her appearances of the past year have prevented Lynn from spending much time helping on the farm, she generally pitches in with milking chores and lends a hand wherever needed.

After the crowning of Delaware's new princess, Lynn Bullen plans to trade her dairy promotion hat in temporarily as she studies to become an executive secretary.

Dairy farmers save consumers dollars

FLEMINGTON, N.J. — The dates for the annual New Jersey Cooperative Wool Pool were announced recently by Donald Kniffen, livestock specialist at Cook College, Rutgers. They are Friday through Sunday, June 25-27. The location is the College of Farm on the eastern edge of New Brunswick, just off U.S. Rt. 1.

Wool will be accepted during the following hours: 1-6 p.m. on June 25; 8 a.m.-6 p.m. on June 26 and 27.

Hunterdon County leads the state in numbers of sheep and lambs with 2,800, according to New Jersey Crop Reporting statistics. The wool pool provides a convenient market for New Jersey-produced wool, says Kniffen. And, Hunterdon wool producers have been prominent in the wool pool's operation since its inception.

There are a number of important considerations in producing a good fleece for market. Specialist Kniffen recommends.

* Sheep should be clean and dry before shearing. Avoid mud, manure and hay and grain residues in the wool.

* Keep black fibers from face and legs of black faced breeds out of the white wool when shearing and packaging wool. Lambs wool, because of its shorter, softer fiber, should be packaged separately.

* Pack the wool by rolling it, keeping it together much as it grew on the sheep. Best to seek the advice of an experienced shearer.

* Tie each fleece with paper wool twine around the wool, then cross it and go around once from side to side. Place the wool in a clean wool bag or burlap bag turned inside out. Never use baler twine or plastic twine. Use only paper wool twine.

* Store wool in a clean, dry area until market day.

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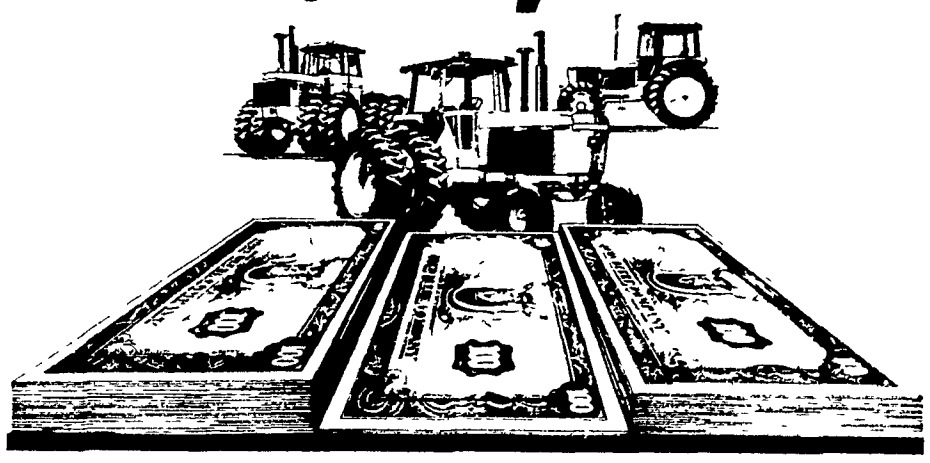

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4640	5 600	3 400
4440	4 500	2 800
4240	3 800	2 300
4040	3 600	2 200
2940 w/o SGB*	2 700	1 800
2940 w/ SGB*	2 300	1 400
2640	2 100	1 300
2440	1 900	1 200
2240	1 700	1 100
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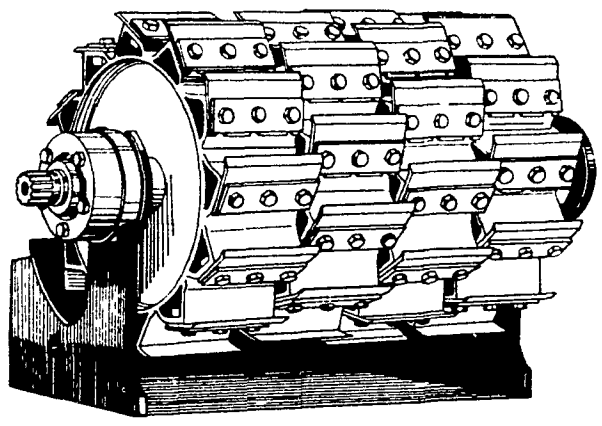

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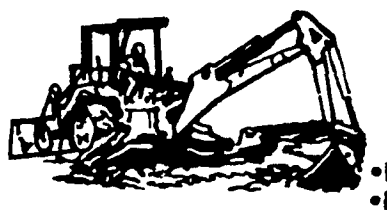
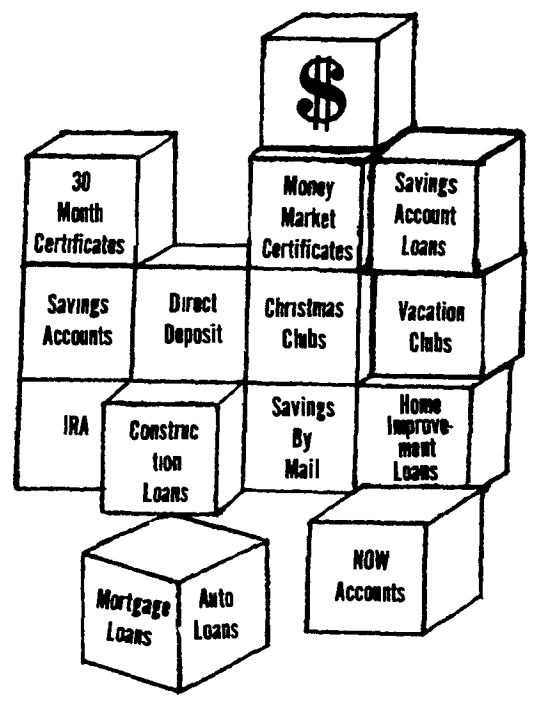


In Today's Uncertain Times it's harder than ever to make the financial pieces fit



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For Sale 1 Sorrel work mare works anyplace is not a childs horse David Z Zook Paradise #1 Pa Box 233 17562

Wanted Used orchard sprayer 609 881 0582

For Sale No 10 NI manure spreader for 3 horses on steel wheel Also a Guernsey cow and a new Oliver 40 L H moldboard 717 354 0616 Lanc Co

For Sale 4 barn doors 8' by 13' 4" $50 or best offer 24' pool liner, used 1 year, $100 Lanc Co 717 733 3565

For Sale 530 Gal Majonnier milk tank w/compressor IH Super H tractor with loader York Co 717 456-7372 8 a m

For Sale TD9 parts, Wayne Co 717 937-4558

For Sale Good used slate 9"x 18" approx 2500, 75 cents each 4 tier chicken brooder, $50 Carbon Co 215 377 3749

For Sale 160 ft Patz heavy duty model 400 bunk feeder, Chester Co 215 948 6187

For Sale White 4 row no till planter, good cond very nice Shropshire ewes with or without lambs, Dauphin Co 717 545 7005

For Sale 72 Dodge pickup 318 engine, 3 speed trans body rough $300 Lanc Co Call evenings, 717 687 8237

For Sale Nice looking '69 Dodge Polara, 4 door, good motor, but needs muffler, $200 301 848 4736

For Sale Fox terrier pups, 6 wks old, Enos J Zook, Box 171A R3 Quarryville, Pa

For Sale 1973 C60 Chevy van, 16 ft box, roll top doors, GVW 24,000 lb 717 682 3384 after 6 p m 717 682 3946 Schuylkill Co

For Sale JD 70 diesel JD 3 14 F130 plow 717 532 3686 5 7 p m Cum berland Co

Wanted Hay tedder ground driven Send price & cond , John A Mast, R1 Box 58A, Wyoming, Del , 19934 Kent Co

For Sale Converted school bus, good cond , for hauling hay, straw or livestock, $1500 717 379 3288 Luzerne Co

For Sale Suffolk and Tunis sheep, 203 455 9912 after 5 p m or write P O Box 43, Hampton, CT 06247

For Sale - 2 row cultivator and manual bucket loader both will fit an AC tractor, Centre Co 814 355 2943

For Sale Approx one cord hardwood $50, one foot lengths, Western Berks 717 933 8084 also cabinet wood

For Sale Good used silo unloader, also New silo unloaders at exc price Will install anywhere in Pa Union Co 717 966 3264

For Sale JD 34 corn sheller, trailer type, also 32 ft NH grain & bale elevator, Lanc Co 717 733 2431

For Sale 1951 Dodge 2 door car 1950 Plymouth coupe, call after 7 p m 717 647 9292

MAILBOX MARKET

For Sale Briggs 10 horse engine with starter generator, like new, 1 eight thousand gallon railroad bar truck good cond , Lanc Co 215 656 9595

JD 3 16 mounted plow, JD 3 16 trailer plow, needs work, 215 267 2765

Will trade loader to fit AC WD post hole auger to fit same 717 432 5731 York

For Sale Border & Collie mix puppies, 6 wks old Amos L Esh 381 Memorial Rd Lititz, 2 miles northwest of Lititz

For Sale - 2½ hp Stover $250 3½ economy $300 5 hp Stover upright diesel $750 Complete and running order Karl Peter 1242 N Mascher St Philadelphia, PA 19120 215 739 3410

Stud Service, AKC Labrador Retreivers, chocolate, yellow or black All proven sires, clip and save, 717 776 5973 Cumberland Co

Wanted - Used 8" or larger jointer, 10 or 12 radial arm saw, 12 ' or larger band saw, 215 683 6431 after 7 30 p m

For Sale Large two door Servel Gas refrigerator May be tried out before you pay Abner L Stoltzfus, RD#2 Box 134A, Peach Bottom, Pa 17563

For Sale Oliver 70 with snowplow windbreaker and new battery $575 JD #40 front end loader manual trip $225 Perry Co 717 567 9340

For Sale Myers pump jack also Grove silage wagon with heavy running gear, Lanc Co 215 267 5209

For Sale - Int #744 4 row wide combine head for corn Som Co $2500 814 926 2205

Wanted - Irrigation pump three or four inches For Sale spring harrow, 10 ft Ben U Stoltzfus, Charlotte Hall, Md , 20622 Rt 1

For Sale McCormick 64 combine, 6 ft pull type with motor Juniata Co 717 694-3002 call after 5 p m

For Sale 240 gal Esco milk tank, new com pressor used 1 year $300 717 899 7366 after 5 p m Mifflin Co

For Sale 11 large grade holstein heifers, due July Sept vaccinated TB & blood tested, York Co 717 862 3869

For Sale Surge SP22 vacuum pump with 4 HP Clinton engine Line for 16 cows, William S Welton, R1 Box 3040 Fredonia, Pa 16124

For Sale 2 new 6 00x16 snow tires $25 each Pump with 4" imput and pto connection, $200 Myers shallow well pump with motor $50 215 933 8105 Berks Co

For Sale HD 6G front end loader with bucket backhoe attachment or rear Andy A Mast, Jr , R1 Box 247I Hartly, Del 19953

For Sale NI 4 bar hay rake $150 David Bradley 25 ft grain elevator $75 Delaval milker sterling pulsator, $60 717-354 9370

For Sale Egomatic SR2 Candler & 6 grade egg grader Kuhl inline washer Stanomatic cage feeder used cages, Choretime bin Dauphin Co 717 533 7485

Wanted Would like to buy out house, 215-298 2566

For Sale - IHC trailer plow, two 14" bottoms Leb Co 717 964 3441

For Sale - Strawberries, pick your own Between Frys Bridge and Bowmans Stove Shop Formerly Habeggers Lanc Co 717 354 7043

For Sale Purebred black Angus bull, modern kind, yearling ready to go Berks Co Yellowhouse 215 689 9168

MAILBOX MARKET

For Sale 1974 MF 410 diesel combine, 13' quick tach head, in A1 con dition, 201 996 4490

Notice Ewe Auction 100 head all ages production records, June 5, 1 p m Management Workshop, 10 a m Frederick, MD 301 834 9711

Wanted Owner s manuals for Int fast hitch mower and front mounted corn planter off Super C, 301 449 5463 after 6 p m

Notice Registered hampshire ram sell or trade for ewes Burlington Co N J 609 758 7272 after 6 p m

For Sale 2 wheel braking cart upholstered and lights like new Ira Stoltzfus Jr Rt 1 Kinzer 1 PA

For Sale Ford C700 truck 26,000 GVW, air brakes, 47,000 mi Ideal for grain dump Exc $3 295 Lanc Co 717 548 2559

For Sale JD #38 forage harvester, new knives, good cond , $895 2 row wide corn head available Lanc Co 717 548 2559

For Sale Purebred Suffolk sheep flock reduction 50 head to pick from, 4 H Project Otsego Co , NY, 607 859 2963 6 p m

For Sale Two horse wagons, 1,000 lb scale, 2 corn sprayers, 3 pt cultivator, Blizzard silo filler, Dauphin Co 717-362-9842

For Sale 2 nice Nubian milk goats, first & second milkers, 215 445-6385

For Sale - 3 tires, 875 x 16 5, 10 ply $75 for all 3, 717-249 2300

For Sale - Dearborn Woods Cornpicker, exc shape, $400 Call after 3 p m 717 382 4691 York Co

For Sale NH 78 baler, good for parts, $250 Also 18' Thompson Lapp boat, 215 682 4478 after 8 p m Berks Co

For Sale Sweet potato plants, $5 per 100 215 445 5046

For Sale - 1972 Honda Trail 90 100 plus MPG, good cond , with helmet $300 Lanc 717-733 4874 after 5

For Sale NH 455, like new mower, $695 Pequea hay tedder new $1295 NI 751 crimper $275 717 354-0266

For Sale - Massey Harris 22 w/cultivator on steel $550 12 row 200 gallon trailer sprayer, $850 Lanc Co 717 354 0595

For Sale - NH #68 Baler with thrower, new knotters, NH blower, JD drill 717-456 5863 call evenings

For Sale NH corn sheller PTO driven, $50 Centre Co 814 422 8478

For Sale - Meat slicer, hand trun, ready to use Amos J King, #1, Ronks 17572 772 Intercourse

For Sale New 32 roof trusses to build a 64 building, $28 50 each Lanc Co 717 354 5853

Wanted Straight or curved church pew For Sale 2 3 section drag harrows AC snap coupler, Lanc Co 717 426 3871

For Sale 21" Int threshing machine with belts, Somerset Co 814-634 8274 or 634 8120

For Sale 2 IH square mount fenders to fit any 06 series tractor, NH 53A bale thrower, Harford Co 301 836 1469

For Sale AC tractor, model B cultivator and plow in exc cond , $1500 717 354 5658 Lanc Co

For Sale 1 Angus Holstein bull, over one year old, ideal for running w/heifers on pasture, $550 Lanc Co 717 354 8322

For Sale Int model 15 5 bar side delivery rake as is $100 Lanc Co 717 529 6273

MAILBOX MARKET

For Sale IH cub cadet 128 with 42 in mower $1050 Leb Co 717 865 2529

For Sale 6 ft sickle bar mower, small Hahn Eclipse riding mower 215 445 6841 Lanc Co

For Sale 2 can cooler $85 Wilson 375 gal bulk tank for parts Back issues farm magazines Union Co 717 966 2357

For Sale Outside calf hutches with feeders and side door treated skids, hutch painted Lanc Co For information and delivery 717 529 6275

For Sale Reg Appaloosa mare, plain 13 years, nice disposition easy to ride $600 to a good home Juniata Co 717 436 8303

For Sale 3 Nice Cheviot Ewes and an 18 hole Smidley Pig Feeder in good condition Lehigh Co 215-285 6872

For Sale Minneapolis Moline tractor and cultivators Model RT good cond 717 922 1607 Union Co

For Sale 10 bred registered heifers, 2 bred grade heifers Due July Aug & Sept Bucks Co 215 766 8715

For Sale Guernsey family cow $450 Lanc Co 215 445 6957

For Sale New Holland Elevator, Saddle gas tanks, NH #67 Baler, Hay mowers, rakes, wagon, 14' steel grain sides, 717 345-4882

For Sale - 2500 layer cages, NI steel wheel rake $150 Gideon Stoltzfus, R1 Blain, Pa 17006, Perry Co

For Sale Mixed Eskimo Fox Terrier Puppies, 6 wks old June 5 Samuel F King, 104 Paradise Lane, Ronks, Pa 17572

For Sale 8 year old Standardbred carriage horse, good driver, sound Lanc Co 717-354 0739

For Sale AC 7' Sickle bar mower $175 AC hay conditioner $100 MF Combine, Chester Co 215 948-5641 or 323 4924

For Sale Massey Harris hay rake, good cond , ready for the field, $150 215-987 6098 Berks Co

For Sale 2 Lathes, 15" LaBlond 9" Select quick change, $1100 each 717 442 4203

For Sale Williams Soybean Seed approx 30 bushels cleaned $7 50/bushel 215-489 3892 after 6 p m Montg Co

Wanted 1976 Coleman Concorde camper with damaged canvas Also used tenor banjo in good cond , Berks Co 215 488 6642

Wanted 14" or 16" variable or 2 speed ventilating fan For Sale AKC Rottweiler female 2 years old, $250 Lanc Co 717 354 8238

For Sale 1 Blk AKC Dachshund male $80 Shots and wormed small 5 mo old Dauphin Co 717 533 6646

For Sale ½ hp swimming pool filter for 18x33 pool Also damaged 18x33 pool Take real cheap Adams Co 717 528 8555

For Sale 640 sq ft of Peach Bottom roof slate good as new 08 apiece or $250 for all 301 658 5096

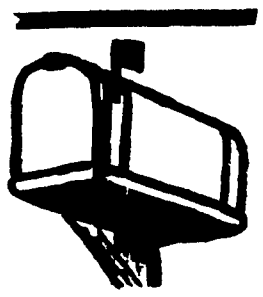
For Sale 2 Billy goats, 12 weeks old, 717 653 5924 Lanc Co

For Sale - 10 inch hand-doperated iron worker 717-354-6183 after 5 30 Lanc Co

For Sale Sweet potato plants, 1 mile west of Honey Brook along 322 717-273 2810

For Sale - Charolais Semen $500 ample, 8 different bulls, 692 2521

For Sale Beautiful all metal, well insulated double doghouse, like new No reasonable offer refused, Somerset Co 814 629 6740



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MAILBOX MARKET

Fox Terrier stud service 717 354 7186

For Sale Peafowl 6 cocks, 1978 hatch $50 each, also 1979 chicks $10 and up Westminster, MD 301 876 1235

For Sale Reg Angus bulls and heifers, Orange Gate Angus Farm, Maurertown, VA 22644, 703-459 3414

Wanted 200 300 gal holding tank, meat grinder, 30 gal SS barrels, castors, S S 6 ft table, ratchet press, S S sink, 215-862 9148 10-5

Wanted Shop or repair manual for John Deere 440C Crawler, 412 573 4404

For Sale 90 cow dairy farm, 260 acres Tie stalls, new addition & equipment, sell complete, 315 539-9016 Sen Co

For Sale 71 Dodge 1 ton dual wheel, 6 cyl , 4 speed, ten foot water tight box body, $1500 609-629-6596

For Sale - Four complete openers for Ontario hoe drill, never used Price $50 717-998-2260 evenings, Lycoming Co

Attention More MPG Seminar, Dr Guentzler, possible gain 100%, June 19, 1982 Embers Carlisle, Price $15 For more info call Floyd Horst, 717 949 3077

For Sale - Coal and wood, kitchen ranges, also room heaters William S Martin, R1 Box 387 New Holland, Pa 17557

For Sale - Choice Purebred Shropshire ram & ewe lambs, yearling ewes, proven 2 yr old rams D'Ambra & Shepard bloodlines 717-949-3653 Leb Co

For Sale 1 ton qlty alfalfa $2 50 per bale 3 loads straw $55 per ton Call eves 215-826-2414

For Sale 2 mobile homes for storage, 10'x50' $300 Also 1 10x55' $600 & 3 Holstein heifer due soon 717 733-6802 Lanc Co

For Sale Herd of eight Toggenburg milkers and one buck Many heavy producers, must sell Chester Co 215 869-8156

For Sale 2 new tractor tires, 15 5 38 $450 717-866 7565

Wanted Small livestock trailer, must be a reasonable price 215 495 7787 Chester Co

For Sale 410 Massey Combine, cab, 13 ft grain head, onion real, Lebanon Co 717-865 5484

MAILBOX MARKET

For Sale Ideal #22 undershot, good cond , $100 side deliv hay rake on iron Schuylkill Co 717 467 2792

For Sale 12 ft stake body bed, fair to poor cond , 717 733 1650 Lanc Co

For Sale Yazzo 42 mower 16 hp, BS motor, RM306 Woods 6' gross rotary mower for 3 pt hitch 215 287 6352 Mtg Co

For Sale 4000 ft rock oak 1" to 1¼" pk 717 776 3239 after 5 p m

Wanted Wheat for feeding, must be in good condition, 215-267 6725

For Sale 1066 Int Cab, air, AC 6 row air planter, no till, Int 710 6 bottom 16" reset, Heavy 18' Bushog Disc, Hunterdon Co 201 479 4807

For Sale AC 4R No till planter with liq fert tank $800 Brady 7 ft chisel plow $750 201 735 8281 NJ

For Sale Merino ewe with ewe lamb, pygmy goats, buck and does 47 Ford Truck V8 for parts Luz Co 717 868 5227

For Sale 1970 Prentice HOBC RM loader (3 71 Detroit) on Int 1800 truck, Hydro Saw buck $14,600 Tioga Co 717 659 5326

For Sale - 1970 Int Transtar 400 238 Detroit, 10 spd , 10 00x20 tires, twin screw $2950 Chester Co 215 431 3183 late evenings

For Sale Meyers Orchard sprayer, 500 gal tank, exc cond , 609 561 2332

For Sale - 24 ft silo roof Large goooseneck and distributor, 1 in rod 30 ft long, Lanc Co 215-445 5987

Wanted - 1 pickup head for 600 Gehl chopper, 215 588 4931 Nor thampton Co

For Sale - MF 175 Diesel $6500 Super major diesel $2500 Super H $800 717-833 2730 Susque Co

For Sale JD 440 gas crawler w/loader, IH 300 utility, must sell, make offer Lanc Co 215-445 4076

For Sale - 1963 GMC hay truck, 24' bed & rack over cab, $1250 105 Corn Special combine w/13' grain head, $7900 215 257-2377

Notice - Rehoboth Beach, 1 Br Penthouse apt near ocean 3 persons, attractively furnished walk everywhere, rent Sun to Sun June July 703-978 6338

For Sale Agstar 16 crate self contained sow castle with 8 nursery pens, MTA Farmall After 6 p m 717 653-5775

For Sale 7 ft cut model 76 IH combine pull type Fulton Co 485-4179

For Sale Young French American Alpine buck Beautiful markings Gaymor milk lines Can be reg , $50 Berks 215-944 7333 Alpine stud service $10

For Sale - 2 Grove 7 ton wagons, tight floors, 8' high racks for bales, 16' long, 8' wide Cond like new York Co 717 741 1651

For Sale 10 speed Itala tandem bicycle 717 949-3770 after 8 p m Leb Co

For Sale - 20 clay farrowing crates, like new $300 each or best offer Preg tester, 1 year old, $200 717 733 0418

For Sale 8 unit apart bldg Williamsport Pa , needs work Firewood 717 546 8944 after 5 p m

For Sale JD #30 combine pull type good cond , $750 717-957 2297 Perry Co

For Sale Used free stalls Eli S Stoltzfus, 400 S Ramon Rd , Lebanon Pa 717 866-6393

For Sale Airedale pups 7 wks , AKC Reg wormed, $100 ea 215 NI4-8060 Chester Co

MAILBOX MARKET

Wanted to Rent Farmland in Berks, Lehigh or surrounding area Top prices paid, 215 756 6269

For Sale Purebred Yorkshire boars, bred gilts and open gilts, carcass championship bloodlines Willow Glenn Farms Rd 2 Strasburg Pa 717 786 2562

Fine Selection of pleasure Tennessee walking horses $800 $1800, quality yearling and weanling colts At Stud Senator's Thunder black and beautiful 215 267 7311

For Sale 500 gal Esco milk tank, complete in exc cond 717 532 7009

For Sale Ford 3 pt plows 2 and 4 bottom, 3 pt PTO rake Hyd Highway mower, mows any angle York Co 717 235 1187

For Sale 16 green chop feed wagon w/5 sides Fair cond Northumberland Co 717 286 9380

For Sale Well bred female German Shepherd 5 yrs old 717 528 4476 Adams Co

For Sale McCormick Deering, 8 ft grain binder, 22x36 steel Frick thresher good cond York Co 717 229 2192

Wanted Two row front mounted cultivators for JD 720 Lanc Co 717 786 4568

For Sale 300 MF combine $1800, #12 MF baler w/thrower $1200 or best offer 717 866 2241 Leb Co

For Sale 3 Zimmerman electric fans, direct drive, 2-24", 1 20" Exc cond , Lanc Co 717 442 4569

For Sale Well bred yearling Polled Hereford Bull also Apline Wether goat that loves weeds and kids Fairfield, Adams Co 717 334 9696

For Sale 2 metal calf stalls, 2 Better bilt hog farrowing crates with sides, feeders and waterers Lanc Co 717 627-1724

For Sale Muscovy Drakes for breeding, 275 gal fuel tank, good cond , outhouse, David B Zook, RD 1054 D, Bethel, Pa 19507

For Sale Williams soybeans for seed, 1 yr removed, $8 50 a bushel Col Co 717 925-6607 nights

For Sale Case 400 tractor, 54 hp, live PTO, live hyd 3 pt hitch, $1700 Perry Co 717 567 9558

Wanted Fork for Dunham 22 loader, also 48" and 82" dirt covers, Columbia Co 717-356 7488

For Sale JD toolbar, w/spring toothed cultivators, also 3½ hp roto tiller, exc cond , York Co 717 225 1600

For Sale Tradition bull calf, Dam Waynesprings Apollo VG 2 yrs 342 days 19 159 milk, 3 8 test, 717 733 3994

Wanted - used mower deck, 44, 48 or 52" for either Int Cub Cadet, or Case model 646 lawn tractors Call after 8 p m Somerset Co 814 798 2701

For Sale - Reducing select herd of Reg Polled Herefords sired by Vindicator, J3-168, Hurrah, and 75J Fulton Co 717 987 3395 late evenings

For Sale Jersey family cow tame, was fresh in April $500 Also Niagara 400 watt generator $250 215 445-6880 Lanc Co

For Sale 12' buck rake $500 717-442-4415

For Sale Int 550, 2 row 38 harvester, exc cond , $900 Adams Co 717 528 4281

For Sale Int 4 bar side rake on rubbers good cond , $100 Also NI No 7 corn pickers $75 York Co 717 432 3067 call evenings

For Sale Int 205 SP Combine, 12' pickup reel ready for field, 717 374 1407

MAILBOX MARKET

Yorkshire boars bred gilts and open gilts Pseudorabies free herd Will deliver Joel Stern, R2, East Berlin Pa 17316 York Co 717 292 4634

For Sale Rope halters for cattle, made to order 717 898 7020 Lanc Co Pa

Wanted New or used storm front market wagon and/or spring wagon, state price and condition, all replies answered, T Holliday Rt 4, Box 244, Waynesboro TN 38485

Top Quality Hay Straw Oats, Steer hay 140 per ton and up, mulch hay Call before 7 a m or after 7 p m 201 735 8389 or 201 735 4408 days 201 735 8865

For Sale- 1600 gal fuel oil tank truck body 215 345 1909 after 7, Bucks Co

For Sale All size silo roofs at reduced cost 717 687 6672 or 768 3095 Lanc Co

For Sale Case 1816 B Skid loader JD 5x16 semi mtd plow Smidley 8 hole hog feeder Berks Co 215 562 4402 eve

For Sale Mow bale conveyor skeleton type 21 ft long 215 488 1733 after 8 p m

For Sale 900 lb Holstein Bull $500 Yamaha 100 dirt bike runs $150 Wisconsin engine $150 Berks Co 215 562 4402 eve

Wanted Lease or buy 20 dairy cows or top springing heifers on contract Yates Co N Y 607 243 7908

Goats For Sale 4 Bucks mixed breed $35 each Call after 6 p m 215 777 9969 Berks Co

For Sale Hay equipment NH 275 Baler, NH 469 haybine NH 56 Rake, Little Giant 34' Elevator, 3 hay wagons, Cumb Co 717 532-8905

For Sale 1 D8 Bulldozer 2U Series Part trade 1 pair smooth mouth mules horses 215 767 3534 Lehigh Co

Wanted 1 row tobacco transplanter, must be in good cond Bucks Co 215 257 8491

For Sale 4 Black walnut logs 2 Red Cedar logs, best offer, 717 957 4907 after 8 p m Perry Co

For Sale Used 7 ton bulk feed bin, new 6 inch 41 ft transport auger, 37 hundred bushel grain bin Franklin Co 717 762 4985

For Sale 10x46 mobile home, 2 bedrooms, all conveniences, needs minor repair $1200 Call after 4 p m Lanc Co 717 872 4105

For Sale JD #21 hay conditioner, $100 250 gal gas tank with pump $50 Maytag wringer washer $35 215 536 7019 Bucks Co

For Sale - Ladies English riding boots, size 7 $15 Antique Rolltop desk swivel chair, $50 Hallmark display case (4 drawers) $20 215 933 6401 Mont Co

For Sale Electric motors Westinghouse 2 horsepower, 110/220 volt $90 each Also 3 pt 2 row cultivator, $125 Palmyra 717 533 3144 after 6 p m

For Sale 8000 gal fuel or water tank, good cond $725 Levi Lapp 301 Fox Rd , Lebanon, Pa 17042

Wanted Hay for mulching or others suitable mulching material 717 426 3992 Lanc Co

For Sale 2 Reg yearling Holstein heifers dams by Marvex & Rocket with DHIA records to 20,000 & 700 Fat Lanc Co 717 687 8893

For Sale 5 yr old large size gray pony, $100 201 859-0994 Warren Co

For Sale 16 ft Farm Bilt wagon on steel, used 1 yr , Benjamin R King, Rt 2 Peach Bottom, Pa 17563

MAILBOX MARKET

For Sale 3 yr old saddlebred mare traffic safe and sound Lanc Co 717 354 6007

For Sale Farmall M w/loader 2 Bottom plow Cultipacker 8 ft Ontario Hoe Drill 7 14 ground drive 717 458 5721

Wanted Storage bin for concentrate also 2 in pipeline and milker 2000 gal milk tanks Lanc Co 215 445 6453

For Sale Brook trout 9" to 10½" long $1 25 each 2 peacocks 1 year old $35 each Lanc Co 717 354 9835

For Sale 48 Mott flail mower for IH Quick hitch but could be adapted for 3 pt Del Co 215 459 5059

Wanted Tomato baskets & front steel wheels for Int 450 trac J Beiler 41 Slaymaker Rd Kinzer Pa 17535

For Sale Steel wheels open centers 16 in wide 65 in high full set like new $600 717 532 2037

For Sale 1250 gal heavy steel glasslined liquid manure spreader 3 pt injector used 1 time exc cond 717 665 6482

For Sale Acetylene torch like new Edwin W Shirk R4 Ephrata Pa 717 354 0073 Lanc Co

For Sale 6 doz 2 qt glass canning jars good cond $3 per doz Call after 6 717 532 4819 Cumberland Co

For Sale Uni 713 grain head Oliver 11 TP Disc Intl 51 wagon Wash Co Md 301 582 2845 or 301 582 1267

Wanted Orchard type sprayer must have high cfm fan Prefer pto, call 9 10 p m 717 345 4498 Sch Co

For Sale NH 68 Baler w/PTO thrower field ready Lycoming Co 717 546 6546

For Sale Fahr Turbo mower, 66 inch cut exc condition, 3 pt hitch extra knives Lyc Co 717 398 2635

For Sale 8 pieces 4x8 Marlite plain white 717 656 6727

For Sale 2 brand new woodstoves small free standing $250 Fireplace insert $450 with fan 717 656 9195 Lanc

For Sale AKC Cocker spaniels 5 female and 1 male 1 yr old, 3 shelties, Make offer 814 793 2817 Blair Co

For Sale Tag axle w/four 10x20 tires also sliding fifth wheel also 67 Int truck tractor 717 367 3202 Lanc Co

For Sale Oliver 4340 trailer plow AC 125 engine $300 JD 45 combine $750 JD #8 mower Adams Co 717 528-4914

For Sale Farmall cultivator no HM 240 hydraulic system good cond well kept in storage, $150 215 323 8788 Berks Co

For Sale NH 68 baler very good cond also wagon bed 8 ft by 16 ft 717 367 2736

For Sale Reg Shropshire ewe and ram lambs excellent weight gains, open faces, immunized mostly twins good breeding stock 717 665 6458

Wanted Corvair engine 717 367 3122

For Sale 1 Suffolk Buck, 2 ewes will sell or trade Buck 717-626 5503 Lanc Co

For Sale NH 354 grinder mixer with 20 ft unloading auger $230 Lanc Co 717 626 6768

For Sale 20 Holstein feeder bulls avg 600 lbs 215 286 5362

For Sale 4 bar NI rake $75 Post hole digger $100 Fertilizer spreader spinner Lanc Co $35 717 786 1648

For Sale Int 444 with 2050 loader 1700 hours with new tires like new reasonable, 717 786 1119

MAILBOX MARKET

Used Bee Equipment Inverbrook Apiaries R D #2 Box 230 West Grove Pa 19390 215 869 3353

Wanted 36 Ford station wagon must be in good condition Montg Co 215 933 2469

Build your own pig feeders for under $10 100# capacity Easy plans $2 00 Rt 1 Box 224 Mardela MD 21837

For Sale Rebuilt magnetos for 4 cyl Wisc $38 00 w/trade in Samuel Stoltzfus Stumptown Rd 1 mi E of Witmer

For Sale 15 kegs of 5 and 6 penny cut nails @ $25 cwt 7 Oliver horse mower 215 539 5045

For Sale NH 975 combine 13 grain 2 row corn heads $7500 Case 12700 300 hrs $17 500 Lanc Co 717 872 8659

Wanted 6000 sturdy sharpended new tobacco sticks 4 6 long at 10 cents each KFB Box 62 Great Mills Md 20634

For Sale Hand hewn barn beams 6 to 10 widths lengths to 36 Reasonable Wayne Co 717 729 7055

For Sale Farmall F 20 w/loader approx half tread tires Used in field this year 717 272 1415 Leb Co No Sunday calls

For Sale High moisture corn new high moisture barley by about June 8 8N Ford good cond 1974 Subaru 215 562 4133 Berks Co

MAILBOX MARKET

For Sale Still some top numbers Doeblers Seed corn available Daniel Esh along #741 East of Strasburg

For Sale IH Cub Cadet 10 hp lawn tractor with 42 inch mower Hydro with lights 717 393 7452 eves Lanc Co

For Sale Asst old Farmall parts mostly 30 model Cub pulley corn planter 717 428 1036 after 5 p m York Co

For Sale IH 70 #2050 tandem dump truck $2 500 Hydraulic cyls for LDG splitters also hay wagon plows Harford 301 557 7216

MINI LOP RABBITS with papers $25 00 Very Loveable pets NZW Rabbits with papers $10 00 Cecil Co Md 301 885 2134

For Sale Outside calf hutches, $75 each David B Stoltzfus Rd 2 Box 282B Nottingham PA take Brown Rd at Little Britian second road right

For Sale Mushroom Soil 200 bu to 800 bu from $40 to $80 Save fertilizer dollars use poultry manure Delivered in trailer lots 717 859 3348 after 5 p m

For Sale Purebred Duroc boars open and bred gilts all age breeding stock certified herd #82 Ph 717 733 2310 W F Ruoss 126 Irene Ave Ephrata PA 17522

For Sale Spring wagons & buggies & horse related items 301 398 5696 after 7 30 P M

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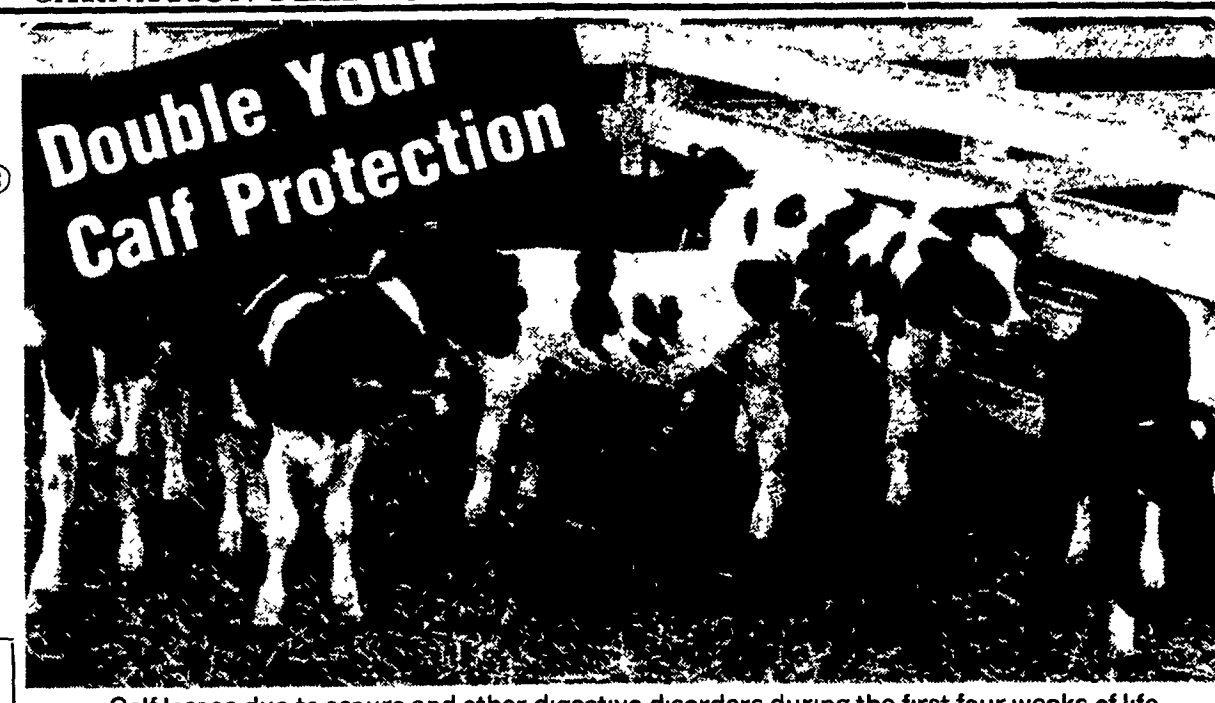

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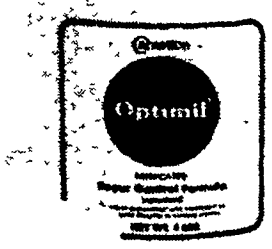

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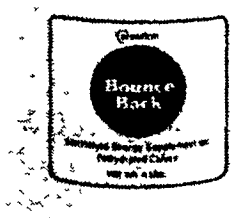

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Sam Long, 21, spends most of his days driving between farms in southern Lancaster County. The artificial inseminator enjoys the scenic countryside that unfolds before him with each new farm lane. The friendly young man is a welcome visitor on many Solanco dairy farms. So settle back and enjoy an armchair tour with Sam Long as he takes you through the typical day of an artificial breeder.

On the road again

Times were when American farms were a model of self-sufficiency Meat, milk, eggs, preserved fruits and vegetables filled the farmers' cabinets and lockers.

A small family farm not only provided for its human inhabitants but produced enough feed for a variety of livestock The bull, boar, ram and stallion ran with their respective species to insure a new batch of offspring each year.

But today, American farmers have increased in efficiency and productivity to feed the bulk of this nation's people. Innovations in breeding, feeding and health care created a major industry, a significant economic impact.

With these inroads came the need for a specialized group of men and women. Everyday, ag service people travel to farms to advise farmers in everything from breeding to planning a special ration for young stock.

During June Dairy Month, **Lancaster Farming** salutes these valuable farmers' friends. Join us for the next four issues as we travel with people who are a vital link in America's agricultural chain.

So grab your boots and buckle your seat belt as we visit the state's dairy farms with dairy service people who are always, "on the road again."

Long leans toward dairying; breeding cows keeps him there

First stop in this four-part series is Quarryville, Lancaster County. Your tour guide is 21-year-old Sam Long, Jr., an artificial inseminator, well known in this part of the county.

BY DONNA TOMMELLEO

QUARRYVILLE — With just four calls scheduled for the morning Sam sets off from his home dairy farm at 7:30 a.m. The 2 1/2 year veteran of artificial breeding knows it will be a short morning.

Rain has pelted Lancaster County for the past three days but has ceased on this morning only to be replaced with patches of fog.

A rabbit darts in front of Long's small economy car and escapes to the other side of the road as Long maneuvers around it. Other bunnies, notes Long, haven't faired as well. Earlier in the week, a deer ran across the wet pavement, in front of Long. Again he avoided the collision. He will probably be tested several more times by wild animals, dogs, cats and careless humans in a career punctuated by long hours on the road.

But long hours do not seem to bother Sam who remembers riding as a youngster with his grandfather, a windshield and glass deliveryman.

"He could drive and drive," Sam recalls.

The back roads of Southern Lancaster County weave through the countryside, some well marked, others not. Since he began as a relief breeder more than two years ago and started full time in December 1981, Sam has relied on a good memory and a file of index cards which contain farm directions to guide him from call to call.

A large Holstein dairy waits at the end of a bumpy farm lane as Sam approaches his first stop of the morning. After parking near the milkhouse, Sam enters and checks a bulletin board.

The farm owners are busy milking but Sam doesn't need to make contact. Registration papers along with a request for a specific bull are tacked neatly together for the breeder.

Behind the bulk tank sits a medium size yellow dog whose barking has not ceased since Sam arrived.

"This dog won't bite," he says. "He just doesn't like to be petted."

The young man has met a number of farm dogs in his career and has become as familiar with their individual personalities as he has with the back roads.

"I've never been bit," Sam adds, but recalls a time when a small,

(Turn to Page C4)

Correct record-keeping is an important task for the inseminator. Whether a cow sells for six figures or three, the sire side of her pedigree is, in part, the result of the integrity and accuracy of those involved at breeding time.

Sam quickly and expertly removes the requested ampule of semen. Expediency is major factor when handling frozen semen.

By traveling all day, Sam gets a chance to visit with several old and new friends. He and softball buddy David Holzhauer catch up on old times, while Sam inseminates one of Holzhauer's Holsteins.

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Sam Long

(Continued from Page C2)

noisy dog sunk its teeth into his pantleg and hung on for a short while. Before today has ended, Sam will be greeted by a variety of mutts, an Irish Setter and one very large St Bernard.

Sam pours a small amount of warm water from his thermos into a second insulated container which has an outside thermometer. Sam now can monitor the water to be sure it stays near the optimum temperature for thawing semen.

Wisps of frozen nitrogen hitting the outside air encircle the top of the semen tank as Sam expertly locates and removes the requested ampules. Once thawed, the ampules are quickly loaded into the breeding guns before Sam heads into the barn.

About 100 cows move about in the free-stall but Sam doesn't have to look around for his clients He walks directly to a small iron-gated stall where two Holsteins quietly munch their cud.

The animals remain just as quiet as Long deftly locates each cervix and deposits the semen just inside the uterus. The entire process for both cows takes less than five minutes.

Some dairy cattle, however, have not been so obliging. Sam remembers getting thrown against a metal gate by one excitable character. And ironically, while breeding one of his own cows, Sam caught a hoof squarely in the knee

"She was one of the cows you never thought would kick," he recalls. In the past few years, Sam has hobbled on crutches, struggled with ace bandages and wrestled with arm casts..

However, this is not to say that breeding cows is a hazardous business Sam acquired all those injuries while participating in his favorite pastime — softball

A badly sprained ankle forced Sam to use one leg when driving home in his standard transmission automobile. He spent the remainder of the day crawling on his hands and knees until he drove himself to the hospital.

Another softball injury produced a broken thumb which kept him out of the line-up, at work and on the ballfield, for a while.

Before leaving the Holstein dairy, Sam meticulously gathers his paper towels and plastic sleeve and deposits them in a trash can He takes a moment to fill out the breeding receipts before heading to his car.

(Turn to Page C5)

Sam and fiancee Vicki Warfel take a moment from chores to relax on Vicki's dairy farm. In addition to the milking herd in the background, Vicki manages a small herd of beef cattle and is in partnership on a hog finishing operation.

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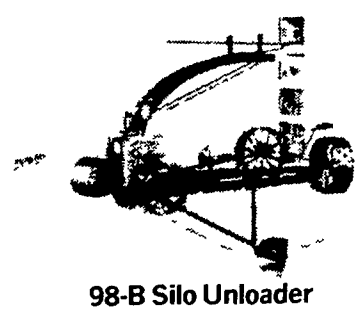
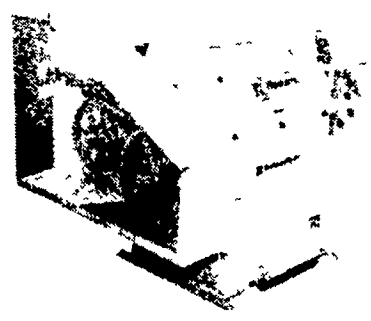

98-B Silo Unloader

Model 400 Gutter Cleaner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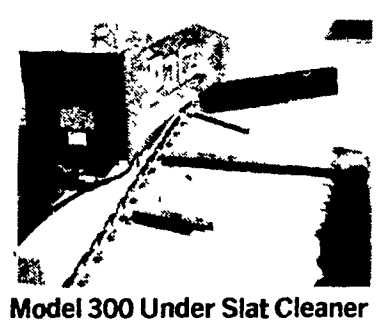
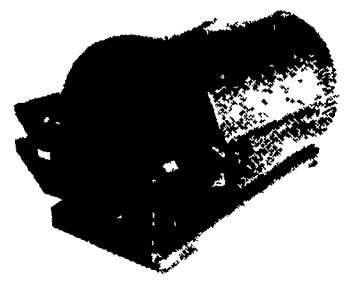

Model 300 Under Slat Cleaner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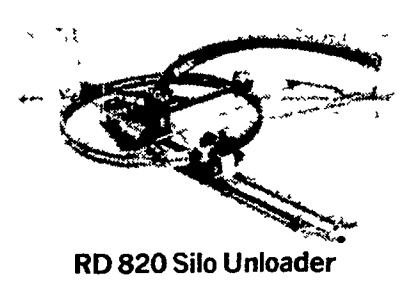
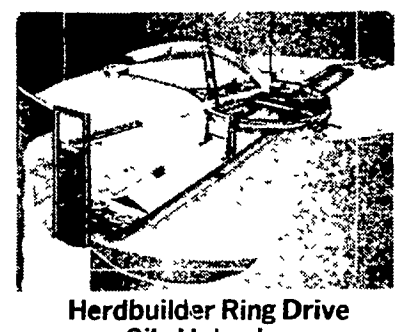
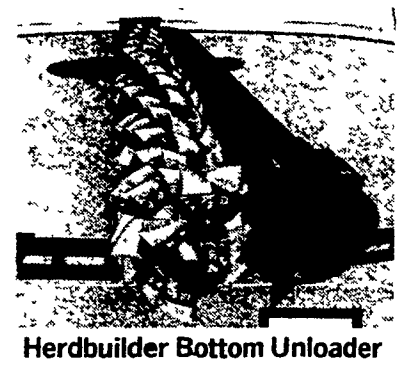
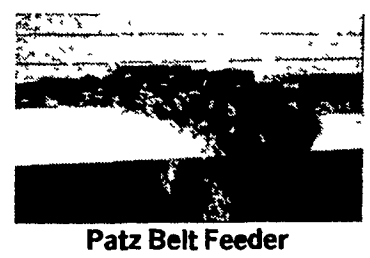
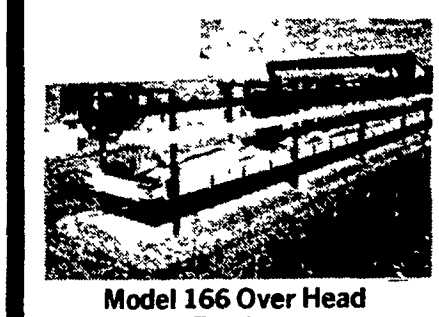

RD 820 Silo Unloader


Herdbuilder Ring Drive Silo Unloader


Herdbuilder Bottom Unloader


Patz Belt Feeder


Model 166 Over Head Feeder

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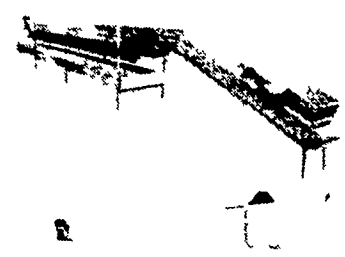
Model 101 Feeder

Sam Long

(Continued from Page C4)

His last procedure is probably the most important. With a bucket of disinfectant and water, Sam takes a brush and thoroughly scrubs his boots to minimize the chance of transmitting an unwanted organism to the next farm.

His second call finds him on one of several Guernsey farms in the county. Milking is over for the morning here and following breeding, Sam has time to chat with the farmer and his family. The family was in the midst of hoof-trimming but takes a break to greet Sam with a warm welcome Soon they are discussing hot bulls, slow bulls, new bulls and even old times. Sam was a classmate with the farmer's children at Solanco High School where he was a 1978 graduate. In addition, the Guernsey breeder employed Sam as a relief milker a few years ago

Following the visit with his friends, Sam is off again to complete the last two calls of the morning.

He finishes both calls well before lunchtime and steers his car home During the past winter, Sam remembers spending four hours fighting poor roads just to breed three cows. Additionally, Sam usually averaged 12 to 20 calls per day in the winter, but in warmer weather Sam's calls drop to 7 or 8 farms a day

Once home, he is greeted by "Charlie," the family's slow-moving, friendly Dalmation. Sam's home, Milk-A-Long farm is owned and operated by his parents Sam and Marian Long.

The Longs presently milk about 50 cows, most are registered Holstein with a few head of Jerseys and grades. This year, the Long's managed to get an early first cutting of haylage in before a lengthy period of wet weather which has caused the morning fog to persist into the afternoon. As a result, Sam spends his off hours relaxing in front of the television rather than chopping hay. However, if the day was a bit warmer, Sam may have spent his time off with a dip in the family's above-ground swimming pool. The 30-by-5-foot pool was constructed from extra silo staves left over from the Long's newest silo.

After lunch, he helps his mother fasten chains as the milking herd treks from the pasture to the barn. With a bellyfull of lush spring pasture, the herd takes its time arriving and a few mischievous individuals balk at the door before turning tail.

Once in, the herd settles down to their afternoon hay break. Above their heads, a glass pipeline runs the distance of the stall barn. The pipeline is a constant reminder of the benefits of breeding top-quality animals.

In 1974, the Longs moved to the 150-acre dairy in southern Lancaster County The convenient pipeline was not a part of the stall-barn but the Long's were planning on installing one as soon as they could afford it, Sam explains That year, the National Holstein Convention was held in New Jersey and the Long's were approached about consigning a cow for the National Sale. They agreed.

When the gavel fell for the final time, the Holstein brought $20,500 and supplied the Long's with their much needed pipeline.

The stall-barn can hold up to 57 cows, but with the plea for less milk, Sam explains his family has no immediate plans for filling the barn.

If the dairy situation was a little different, Sam admits he probably wouldn't be breeding cows for a living but milking them, instead

"I wanted to stay home but just couldn't," he says.

"The interest rates just have to come down. There's no sense in starting now," he adds

But on December 11, 1982, Sam will be starting something new That's the day that he and fiancee Vicki Warfel, another Solanco graduate, will become husband and wife

Vicki, who also participates in summer softball, works full-time on her family's dairy farm In addition, she is a partner in a 1,200-head finishing hog operation She also raises beef cattle on the side and is currently finishing about six head of exotic Brahman cattle

For now, we'll just keep going the way we are If we do farm," Sam says, it will be a little of everything "

Both he a Vicki have a diverse background with a variety of livestock Vicki has shown hogs and beef, while Sam was a livestock and dairy judge during his FFA and 4-H days

For three successive years, Long showed the reserve grand champion steer at the Solanco Fair

I never got the big one," he says Maybe not at Solanco, but while showing his brother Steve's light heavyweight ChianinaXAngus steer during a past Farm Show, Sam was the center of attention as the judge gave his brother's steer the grand champion nod

Disinfecting boots is a must. Sam is well aware of the dangers of transmitting diseases from farm to farm and performs the scrubbing ritual before leaving each farm

Sam checks in with his answering service and climbs back into his car Two more stops and he can call it a day

As the countryside whizzes by his window, Sam settles back to enjoy the afternoon ride. The young man has time to reflect on his early days in this part of the county

"That used to be a softball field It's where I hurt my leg," he says pointing to a neatly plowed field exposing just the tops of a new corn crop

In his next to the last stop, Sam enters an empty barn save for two cows tied at the end of a long row of stanchions The farmer left a note indicating which cow to breed to what bull. Again Sam finishes in just a few moments and leaves the farm without seeing a human Three dogs gather around his car to wag their approval of this sometime visitor

On his last call, Sam arrives before milking time He and the farmer are softball buddies and engage in a friendly discussion about this year's season

The friendly conversation lasts for a few minutes before Sam removes his boots for the last time today and pilots his car to his fiancee s farm

The sun is beginning to peek through the persistant mist, drying the pavement and the rich farmland that has become a part of Sam's bread and butter

"I hate seeing For Sale signs for development or industrial sites," he remarks A long-time advocate of farmland preservation, Sam says he believes diminishing land only will cause farmers to produce more per acre

"Someday, there's going to be a limit "

He arrives at the Warfel farm and is greeted by a canine chorus of at least four large white dogs He finds Vicki hard at work in the barn putting down feed for the milking herd

And while most folks look forward to the end of their eight-hour working day as a time when they can put their feet up and relax, Sam Long changes into another set of work clothes

Once inside the Warfel barn, he and Vicki will work together until all the chores are finished

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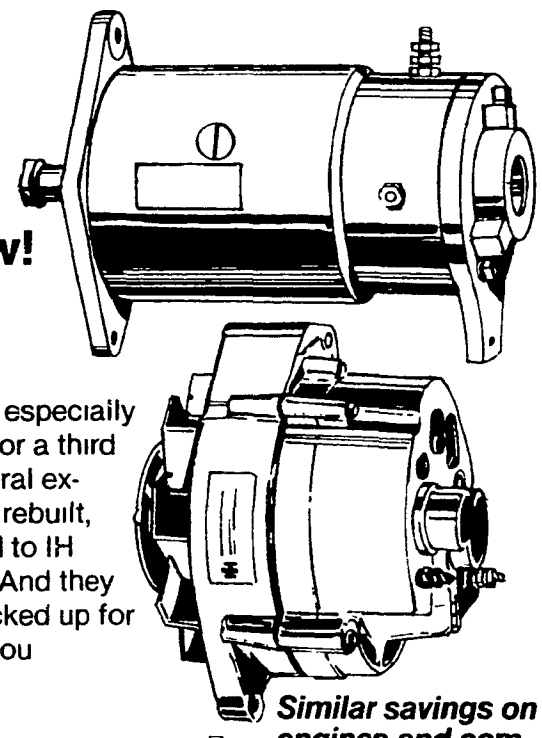

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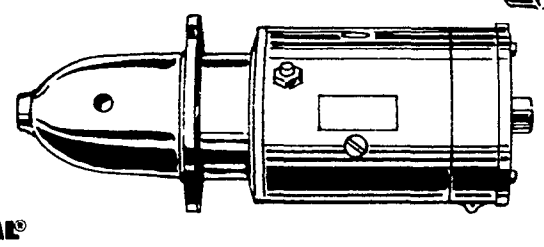

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Farm and farm-related employment has declined steadily in the postwar period, according to Ed Smith and Herman Bluestone of USDA's Economic Research Service. By 1979, less than 13 percent of those employed in nonmetro areas worked in a farm-related job, compared with 30 percent in 1950.

Even farm families have become less dependent on farming for their total income, the two economists note. Since 1966, the nonfarm income of the average farm family has exceeded net farm income in every year except 1973 and 1974. By 1980, nonfarm sources provided 62 percent of the average farm family's income.

Another indicator is the number of counties where at least 20 percent of residents' income comes from farming. Since 1950, this number has dropped from over 2,000 counties (with 69 percent of the total nonmetro population) to under 700 (with only 14 percent of the nonmetro population).

Farm output is nearly two-thirds higher than it was in 1950, so agriculture is not a declining industry. The primary reason for reduced farm employment, less dependence on farm income, and fewer farm counties is that the farmer's productivity has increased so rapidly.

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For Sale - New Holland 791 manure spreader like new $5975 00. Massey Ferguson 1100 diesel roll-bar mult-power, good condition $6500. Lancaster Co 215-267-7203

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JD 2010 gas, wide front, 3 pt. 814-793-4293

For Sale - IHC 815 combine, 13' grain platform excellent, 743 and 744 corn heads, fair to good no reasonable offer refused 717-684-8690 after 6.00 P.M.

Oliver 4R mtd. cultivator 16' spring harrow-Oliver 2 btm plow-Oliver 3 btm 4340 plow-McCormack baler sickle bar mower-Buckwheat (cleaned) Can Deliver Lehigh Co. 215-767-2033

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FARM EQUIPMENT

Wanted - 6 row narrow, 3 pt. hitch mount cultivator 717-436-2235. Juniata County

For Sale - AC pull type pto corn picker, good cond, $300, 14"x16" grain auger, exc cond. $170 Call 717-469-0834 evenings

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Clark forklift on solid tires, propane, goes thru 3' door, 1 ton lift to 10' high, $2000. Har. Co MD 301-838-6196 after 6.

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1973 NH 985 combine for sale, cab, 13' platform, 4 row corn head, ride tires, straw chopper, exc. condition $12,500 215-845-7057

White tractor 2-105 665 hrs. excellent condition $18,000 White chisel plow 10 shanks $1700. NH haybine 488, $3500. 814-643-4446, evenings.

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72 JD 4020 side console, wide front, 2700 hours, 814-793-4293

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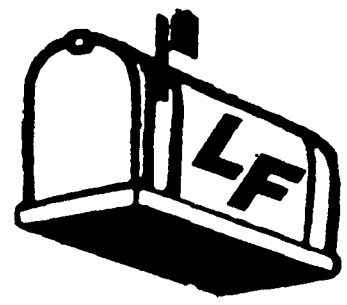

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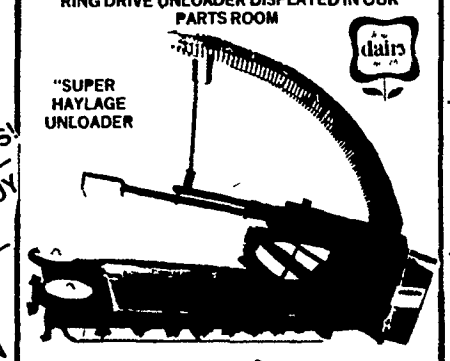

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For Sale - MF 300 combine 2R corn head 10' Hume grain reel and also a JD AT-40 4R front mounted cultivator 215-285-6246

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1979 Int 715 combine, hydrostat 13' grain head, floating cutter bar, air cond. cab, variable speed reel, 595 hrs. $24,000. 609-447-4488

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Wanted - 3 pt hitch for Oliver 77 or 88 or for AC WD model. Thor Erickson, Hagerstown, MD 301-739-8035

JD LI electric start, lights, cultivators and plow, engine completely rebuilt, tires like new, exc cond , 1941 717-725-3402 814-765-4255

NH 06 forage harvester w/direct cut grass head Call 301-756-2397

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Case 1537 Uniloader with 73" potato bucket, LP gas engine, recently rebuilt with counter weights $2400. 717-275-0927

For Sale - JD 950 27 h.p tractor A-1 condition Asking $6500 Chester Co 215-384-2944 after 4 30

Combine 915 diesel w/16' grain head and new 863 corn head 302-378-2409

For Sale diesel JD corn special with 444 cornhead and 12 ft grain table, must be seen to be appreciated $9800 301-253-2543

John Deere 320 tractor, with 3 pt., pto, like new 717-334-1824

For Sale Howards rotovator 60" model $1000 Call before 7 AM 215-683-7230 Berks Co , PA

Farmall 560D F H , P S , T A , Turbo 18 4 34 Tires Clean, York Con 717 244-8295

NH Tank Spreader #368 looks new $2800; Starline tank spreader, small $1400, 717-776-6203

915 Int Combine, w/corn head and grain head, exc cond 215-968-6462

IH 656, JD 3020, Case 1030 CK, 870, 1210, Long 900, Phone 301-582 1927

For Sale Pair 16 9-34 tires tubes rims wheels and two sets of weights for JD Also one ton vertical feed mixer 814-472-8068 Cambria Co

For Sale INC 205 SP Combine, 12' pickup reel ready for field 717-374 1407

Briggs engine with starter Generator like new, 10 horse Lancaster Co 656 9595

Tractors

AC 440, 4 Whl. Drive, Demo., like new
AC 190
AC 180 IH 504
AC D19 IH 300
AC 7030 IH 450
AC 7040 IH 340
AC 7050 IH H
AC 7000
JD 2010 JD B
JD 4010 JD A
JD 70
Ford 4000 G
Ford 4000 D
Ferguson 65G
Ferguson 65D
Case 300 w/Loader
Case 800
Used Kubota 245 w/Loader, FWD
Used Kubota 245 FWD
Kubota 5100
Kubota 6100
Kubota 7100

Used Miller Discs 8½', 10'
New Rotary Scythe
Used Rotary Scythe w/engine

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Quarryville
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case

Case 2590 w/401 hrs , like new, fully equipped, still under warranty
Case 1070, 1978 Model, low hrs., good shape, cab and all
JD 4030 Tractor w/canopy in A-1 Shape
Oliver 1365 4 Wheel Drive
MF 1100 Tractor
IH 3500A Loader, Tractor, Cab, Backhoe
Case 580C's Loader/ Backhoe/Tractors. Some only a few years old, traded for D's.
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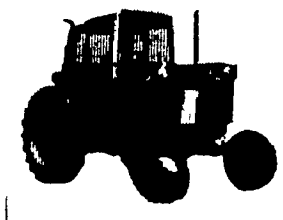

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NEW TRACTORS
3288
584 R/C
384
184 w/Woods mower

USED TRACTORS
Farmall 504 w/3pt

NEW EQUIPMENT
720 automatic 5x18 btm plow
510 5x18
420 3x16
475 11 ft 6"
350 10 ft 3"
1190 7' mower cond
445 baler w/thrower
35 rake w/dolly wheels

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Used IH 2000 loader for 424-44 tractor
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JD 2940 Dsl w/FWhD
JD 2440
JD 4240
JD 1440 Planter w/80 units $4500
JD 2420 SP Windrower $23,475
JD 534 Dozer Blade $2635
JD 3960 Harvester $9955
JD F950 12' Roller Harrow $3950
JD 567 Wheel Rake $1275
JD 450 Spreader $5645

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JD 1R Corn head $650
Hesston PT10 Mower Conditioner $1695
NI 325 picker w/super sheller $5995
JD 344 3R 40" Corn Head $2495
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JD 5B 1450 Plow
JD AW 9'10" Disk
JD 494 4R Plate Planter
IH 4R #56 Corn Planter $1450
IH 400 4R Air Planter $1895
IH 6R Air Planter w/dry fert.
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JD 216 Fg Box w/1075 gear
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JD 4430 Dsl. Tractor
JD 4020 Dsl. Tractor
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Ford 801

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For Sale JD 3 pt hitch, 6 row cultivator JD #2 bale thrower, good for parts 215-689-4124 Berks Co

For Sale NH 717 harvester with corn head and 6 grass head good condition 717 532 7905

JD 4020 D 1968 model w/cab wide front 2700 hrs Very good condition $7800 717 532 7054

IHC 856, cab original paint 3 pt. 2600 hours 814-793-4293

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FORD 5000, 7000, 4000, 850, 641, 8N
MF 165 diesel, 135 diesel, 35
KUBOTA - 6100, 245 4 wd
CASE 430
JD 3020 diesel w/cab, 3010 diesel w/cab, 2640 w/loader, 40 Hi-Clear w/cultivator
IHC 100 hydro w/cab, 826, Super M, 240, Super AV w/cultivator, Cub w/rotary mower 464 D, 364 D, 140 w/equipment

MOWER CONDITIONERS

NH 479, 489, 477
Hesston PT 7, 10
NI 7 & 9' Cutditioners

SIDE RAKES

NH 256, 56, 55
NI 401
IHC 14

PLOWS

AC 4 & 5 bottom semi-mount reset, 5 & 6 bottom semi-mount spring trip 2, 3 & 4 bottom 3 pt. & snap coupler mounted
IHC 450 - 3 pt reset bottom
FORD 4-18" semi mount reset 2, 3 & 4 bottom 3 pt
JD 4 bottom 3 pt semi-mount reset
MF 880, 5 btm 18" re-set or hand hitch

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10 Used transport discs, 8½ to 16', AC 9 tooth & Brillion 7 tooth Chisel plows 3 pt , 8' Brillion cultipacker seeder, like new

CORN PLANTERS

AC 2 & 4 row conventional & No Till, JD 1240 4 row plateless, AC 2 row 3 pt
MF 2 row 3 pt

CHOPPERS

NH 770, Hesston 7020

BALERS

Hesston 5400 & 5800 round
Hesston 4500 w/thrower
NH 275 w/thrower
NH 350, 276, 275
JD 336 w/thrower
NH 315 w/thrower
NH 850 round baler, like new

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AC 715 Tractor Loader Backhoe, 655 crawler loader, H 3 crawler loader, H 3 crawler loader
IHC 500 C Crawler loader, 4 & 1 bucket
MF 30D tractor loader w/3 pt and pto.
Clay 800 gal liq spreader
10-ground drive pto & tank spreaders
PU head to fit AC 720, 780, 782, NH 717, 770, 880, Fox 2000, JD 34, 35, & 38, IHC, 15, 16, 350, 550
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Ford 3000 Diesel
Oliver 1955

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White 508 4B 18 Auto plow
MF 5B Semi Mtd Plow
Bush Hog 12 Disc Harrow

USED HAY TOOLS

NH Bale Elevator

MISCELLANEOUS

Grain Chief 450 Dryer

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IHC 56 6R

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G1000D-M/Moline, 494A 4 R corn planter, 2 pull type plows, JD and Oliver, 1750D, 48' hay elevator Call 301-833-1847

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$21,750

New White 5100 Planters

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NH 479
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JD 1209
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NH 1010 Bale Wagon
$4750
Oliver #15 Bale Thrower

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- Case 430
- Case 600
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- David Brown 1410
- Oliver 880
- Oliver 1750
- White 2 105 Tractor
- Int 656 Tractor

LOADERS
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- Case 1537 Skid Loader
- Case 450 Crawler Loader
- Case 450 Crawler Dozer
- 1845 Diesel Uni Loader
- Dunham Lehr Loader

TILLAGE
- Case Disc Harrow, 10
- MF 12 Ft Spring Tooth Harrow
- Oliver 2 Bot Trailer Plows
- Oliver 4 Bot Mtd Plow
- MF 720 2' Offset Disk
- Used Cultipacker

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- Case 600 Combine w/3 Row Head
- NI Unisystem 702 Tractor, 710 Combine & 760 Harvester
- NI 727 Husking Bed
- NI 323 1 Row Corn picker
- NI 2 Row Cornpicker
- Int Mtd Picker, 2 Row
- IH 550 Harvester w/Pickup
- JD No 25 Harvester
- Case 300 Harvester
- JD Chopper
- NH 717 Harvester
- Kools Forage Blower

HAY EQUIPMENT
- NH 469 Windrower
- Hesston PT 10
- Hesston 1090 Windrower
- Dump Rake
- 3 pt Hookup Mower
- Bale Thrower Wagon
- Case Hay Rake
- JD Hay Rake
- NI Hay Rake
- JD 14T Baler w/thrower

MISCELLANEOUS
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- JD 2 Row Planter, Pull Type
- IH 400 Corn Planter, 8 Row
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- NI 224 10 ton Spreader
- Potato Grader
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NH 479 HAYBINE $3250
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Kuhl & Pequea Hay Tedders

USED TRACTORS
Oliver 1850 D
JD 2510 Gas
Ferguson 20

Used Hesston 4800 Big Square Baler

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NI 702 Diesel Uni
IH 715 Combine, 13' grain & 3 Row Corn Head
Fox 3310
Field Queen Side Dump w/Det. engine, 3R Head & Pickup
Field Queen Standard 3R Head & Pickup

USED EQUIPMENT
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JD 1240 Planter
IH 400 4R Planter
12' Brady Shredder
Hesston Stackhand #30
Fox Blower
NI 725 3RN Head
NI 729 Sheller
JD 7' Rotary
NI 323 1R Picker
Hesston PT10 Windrower
NH 479 Haybine
Hesston 1010, 1014, 10 & 12 Ft. Hydro Swing Windrower
NI 710 Combine
Little Giant 38' Elevator
Glencoe 13 Shank Soil Saver
Woods C114 Rotary Mower
NI Side Dump Wagon
JD 214 2 btr. wagon
IH 51 wagon, 3 btr & roof
JD 3800 Harvester
Gehl 600 Harvester
MC 7' Rotary Scythe

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JD MT Tractor w/plow Cultv. and Mower
MF TO30 Tractor
Farmall M Tractor
Farmall H Tractor
IHC 656 Tractor
JD 170 Skid Steer Loader
JD 1209 Mower Conditioner
JD 7000 6R Consv. Planter w/Liquid Fert.
JD 7000 6R Consv. Planter w/Liq. Fert.
JD 1240 4R Plateless Corn Planter
JD 1240 Corn Planter
JD 1240 Corn Planter
JD 1440 No Till Corn Planter
JD 1440 Planter w/Plateless Units
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JD BWA Disc
JD B Plane 15 Disc Grain Drill
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JD 6600 Combine w/15' Platform & 444 Corn Head
JD 105 Combine w/platform and corn head
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Gleaner A Combine
JD 709 Rotary Mower
NI 279 Cut/ditioner
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JD 145 6B Plow
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IHC 5B Plow
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1 JD 3130 w/cab
2 JD 3120 one w/cab
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2 JD 2130 1 w/cab
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3 Ford 3000
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USED EQUIPMENT

TRACTORS:
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IH 350 High Utility
IH 350 Farmall, PS
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420T Hesston S P
NH 479 Haybine
NH 276 Baler with Thrower, Real Nice!
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915 Combine, Low Hours, Like New
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810 15' Floating Cutting Bar
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IH 315, 2-Row Wide Head
IH 205 w/227 Head
IH 203 w/2 Row Head
IH 227 Cornhead, fits 315, 205 or 203
Straw Chopper for Gleaner M

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4 & 6 Row Cyclos, Field Ready!
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JD 3 pt 4-Row Wide Cultivator
(2) JD FBB 17x7 DD
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IH No. 10 16x7 Single Disc, Comb , Hyd Lift
IH No 10 16x7 Single Disc, Comb
Oliver 24x6 Combination Drill
Oliver 13x7 Comb Drill
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NH #56 Rake
N.I. #323 1R Corn Picker
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Gehl 95 Grinder-Mixer
Bearcat Grinder-Mixer
NH SP 818 Fg. Harvester
AC Model 90 Pull Type Combine
MF 300 Combine, clean
Used Century sprayers

USED TRACTORS
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Ford 9N
MF 1085
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MF 255, 200 hrs.

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MF 66 3B Plow
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3 Section Drag Harrow

Hay Equipment
JD 480 Mower Cond.
AC 390 Mower Cond.
Ford 535 Mower Cond.
(2) Hesston PT10 Mower Cond.
MF #12 Baler w/thrower
AC 303 Baler w/thrower
IH #37 Baler w/thrower
MF #3 Baler w/thrower
NH 66 Baler
IHC 47 Baler
IHC Hay Conditioner
(2) NH 404 Hay Conditioner
AC Forage Harvester
IHC Forage Harvester
(2) NH 717 Harvesters
Papec Forage Blower

Combines
NH 1R-70
Cat Hydro w/15' Table and 6RN C.H. (Demo)
MF 540 w/13' Table and 4RN C.H.
(2) MF 300's w/cab, QA, 10' table and 2R C.H.

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NH L35 Skid Loader
MF 160 Spreader
IH 13 Disc Drill
Ontario Disc Drill
5' Pull Type Rotary Cutter

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FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

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Ford 6000 D WFE
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Ford 5200 G 8 speed
Ford 4400 w/Loader & 3 pt.
Ford 4200 00 D SOS
Ford 4000 w/Loader
Ford 3400 w/Loader
Ford 2600 G, PS
Ford NAA Hi-Lo Trans.
Ford 1500 w/350 hrs
Ford 800 PS
IH 666 D WFE
IH 504 G, 3 pt.
IH C
IH 154 w/Rotary
AC 5040
AC 160D
AC D17 G
AC D15 Series 2
AC G w/equip
MF 235 G, PS
MF 135 G Live PTO
Ferguson 30 w/Loader
Oliver 1650 WFE
JD 2010 Gas
JD B w/cultivators
Satoh 650 w/loader
Satoh w/Woods mower
MH Pony w/cults.

EQUIPMENT

Ford 5x16 Plow
Ford 4x16 Plow
Woods 72 Pull Mower
Woods 9½' Rotary Mower
MF 33 Grain Drill
JD 24T Baler
Ford 532 Baler
JD 1240 Plateless Planter
Bearcat Culti-mulcher
Mott Flail Mower
Brillion 5' Seeder

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TRACTORS

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Ford 4500 Tractor/Loader/Backhoe
Ford 960 Tricycle
Ford 9N
Ford 600 w/side mtd. mower
IHC 656 gas, 2200 hrs.
IHC 504 Gas, Tricycle
Case 680 C Tractor/Loader
JD 2510 Diesel
Massey Harris 444
AC B w/plow and cultivators
IH 3200 Skid Loader

EQUIPMENT

JD 1209 Mower Cond.
NH 1495 SP Haybine
Hesston #10 Stack Wagon w/Stack Mover
New IHC 400 4R Cyclo Planter
Ford 6B On-Land-Hitch cushion trip Plow
Ford 6B Auto Reset Plow
Glencoe 9 Tooth Chisel Plow
Glencoe 12 Tooth Chisel Plow
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NH 516 sgl. btr. spreader
JD spreader
IH 440 Baler
14' Schwartz Roll Back Body w/winch
Lawn & Garden Tractors w/Mowers

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RD3 Tamaqua, PA
18252
Phone: 717-386-5945

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Box 587, Rt. 3
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(717) 656-2846

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NEW EQUIPMENT
Call for Prices

200 2 row cultivator
#10 flail chopper
56 blower
1190 mower-conditioner
35 rake
1300 mower

USED EQUIPMENT:

1086 tractor w/cab & air	$22,500
Farmall M	$1695
Farmall M	$1650
MF 65 diesel w/industrial loader	$4750
Farmall Cub w/cult. plow & blade	$4175
IH 715 combine	$15,900
IH 403 Combine w/2 heads	$9500
IH 710 5x16 plow	$3850
IH 710 6x16 plow	$1350
IH #8 4 btm plow	$150
JD 4x16 3 pt mtd plow	$625
JD 12' Mtd Vibra Shank harrow	$1550
Miller disc, 10', as is w/new discs installed	$1995
IH 400 Cyclo 4 row planter	$4250
IH 400 Cyclo 4-row planter	$3450
IH 56 4 row planter	$2975
IH 455 4 row planter	$1750
IH 4 row cultivator, 3 pt	$1450
IH 4 row cultivator, 3 pt	$1025
Cultivator for Farmall C	$850
Pincor alternator with trailer	$135
Fox blower	$1495
IH 430 baler w/thrower	$750
IH 37 baler w/thrower	$2950
AC 303 baler w/thrower	$1695
IH 863 6x30 corn head	$1295
IH 990 9' mower-conditioner, very good	$7350
IH 990 mower-conditioner	$2775
#10 single disc drill	$2250
IH 1050 grinder-mixer	$2300
3' harrow sections for garden tractors	$1775
IH 350 12' disc	$35 ea.
	$1100

INCH EQUIPMENT CO.
Dalmatia 717-758-3021
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35 miles North of Harrisburg, PA on Rt 147
INTERNATIONAL AGRICULTURAL EQUIPMENT
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NEW TRACTORS

JD 750
JD 1050
JD 2440
JD 2940
JD 125 Ski Steer Loaders Dsl & Gas
JD 125 Skid Steer Loader Gas $12 500
JD 90 Skid Steer Loaders

NEW MACHINERY

JD 445 Spreaders N/T	$3975
JD 235 19' Disc	
JD 1207 Mower Conditioner	
JD 1209 Mower Conditioner	
JD 2700 5x18 Plow	
JD 1250 Plow 3x16	$1800 N/T
JD 1250 Plow 4x16	$2450 95
JD 7000 Conservation Corn Planters 4R & 6R	
JD 16x10 FF Drill	
JD 327 Baler w/ejector	
JD 347 Baler w/ejector	

USED MACHINERY

JD 6600 Side Hill Combine w/15' platform 1978 model	$45,000
1-JD 55 Combine, 235 C H and 12' Platform	$8500
1974 IH 100 Hydro Tractor Motor overhauled March 1981	
JD 2840 Tractor	$11,000
JD 2020 Tractor	$7500
AC 6080 Dsl Tractor, 239 hrs., like new	$19,995
IHC 1066 Diesel Tractor w/cab, air, & heater	$15,000
IH 656 Tractor	$6500
JD 145 Plow, 5B 16"	$1800
2-18x4x30-8 Ply Tires and wheels for Gleaner Combine	
JD 800 SP Windrower	$3500
JD 150 Power Till Seeder	$4500
FH10 Hesston Stacker and Mover	$5995

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RD2 Box 49
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717-966-3778
JD Agricultural Dealer and CP

MF Massey Ferguson

SPECIAL
MF 640 Planter $5,250
No MF Financing

9% Financing for 1 year or rebate on new MF tractors and combines

NEW EQUIPMENT

MF 245 diesel, 8 speed
MF 255 diesel, multipower
MF 265 diesel, multipower
MF 154-4 diesel
MF 4880 diesel tractor
MF 540 diesel combine
MF 860 diesel combine
MF 1143, 1144, 1163 corn heads
MF 13' and 15' tables and Ull reels
MF 39 planter
MF 640 planter
MF 880 plow
MF 129 chisel plow
MF 124 baler w/throwers
MF 520 disk

USED EQUIPMENT

JD 4020 tractor $7950
David Brown 1200 diesel tractor
Case 470 diesel tractor w/loader
MF 135 tractor
NH 850 round baler
MF 760 combine 16 head
2 MF 510 diesel combine
MF T030 tractor
MF 468 corn planter
MF 92 combine
Case 1160 combine, w/131 reel
MF 10 baler
MF 24, 33, 43, 44 corn heads
Bobcat Melrose 700 skid steer loader

Renting skid steer loaders.

We Service All Makes Of Equipment

Large Inventory of New & Used Equipment

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Farm Equipment, Inc.
RD 1, Catawissa, PA.
717-356-2323
(south on Rt. 42)

JOHN DEERE

Nothing runs like a Deere

SPECIAL OF THE WEEK
NEW JOHN DEERE 3940 HARVESTER
w/electric controls

NEW EQUIPMENT

JD 327 baler
JD 347 baler
JD 410 baler
JD 660 rake
JD 670 rake
JD 3940 harvester

USED TRACTORS OF THE WEEK

JD 2510 diesel $7,000
JD MT w/plows and cultivators $1 995
MF 165, $4,600
550 Oliver $3,000

USED PLANTERS

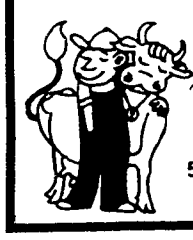
IHC 56 4 row, $2 600
JD 1240 $3,000

AUKER-ENA EQUIPMENT, INC.
Oakland Mills, PA 17067
717-463-3511 436-2235

SPECIAL OF THE WEEK
Reconditioned
BADGER 14' SILO UNLOADER
$1500
Other Sizes Available

EQUIPMENT FOR SALE OR LEASE

BADGER
3,000 gal liquid manure tank
1,500 gal vacuum tank
205 Bushel Manure Spreader
Forage Wagons
Forage Blowers
Bedding Chopper for Mulching
Persuader Pump agitator for Lagoons
Handy High Pressure Washers
Oswalt Mix Wagons
Grain Drill with band seeder
Also:
Registered Holstein Bulls



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573 Willow Rd Lancaster, Pa
Ph 717-299-2536

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Used Equipment Special...

USED MODEL CL 40 FORD SKID LOADER

Ford 40 HP Industrial Water Cooled Motor, All Standard Equipment, 60" 12½ Cu. Ft. Utility Bucket With Teeth, Sold New June 1980, A-1 Condition...

WAS ~~$7900~~ NOW **$6900**

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Ford Tractors Equipment

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WALTER G. COALE, INC.
2849-53 Churchville Rd.
Churchville, Maryland

FARM EQUIPMENT

AC 7045 Tractor
AC 7000 Tractor
AC 5040 Tractor
AC 185 Tractor
AC 170 Gas Tractor
AC 160 Tractor w/loader
Amco F17 10½'
Disc Harrow, like new
NI 213 Manure Spreader

ROY H. BUCH INC.
Ephrata
717-859-2441

USED TRACTORS
JD 2640
JD 620 Tricycle
JD 50 w/Cult
JD "A" w/Wide Front
JD "A" w/45 Loader
JD "A" w/Mower
IHC H Tricycle
IHC MD Tricycle
Ford 9N

NEW TRACTORS
JD 2040
JD 2040 4-Wh. Dr
JD 2440
JD 2640
JD 2940 4-Wh. Dr
JD 4240

NEW CHOPPERS, MIXER
JD 16A Chopper
NH 38 Chopper
NH 353 Grinder Mixer

NEW COMBINE
JD 6620 Combine, 15' Table, 6-Row Cornhead

USED COMBINE
JD 4400 w/Choice of Heads
JD 215 Grain Table, Used 1 Season

USED RAKES
NH 56 Rake
NH 256 Rake
JD 894 Rake

USED HAYBINES
NH 461 7' Haybine
NH 469 9' Haybine
NH 479 9' Haybine

USED BALERS
NH 269 Baler w/Thrower
NH 283 Balers, 16"x18" Bales
JD 346 Wire Tie Baler w/Thrower

MISCELLANEOUS
NH 346 Flail Manure Spreader - $1500
NH 17' Bale Carrier w/Carriage, Motor - $500
Sears Sawbuck w/Pulley - $150
(2) Lilliston 7-Six Rotary Cutters - $595 & $795
Farmec 155 36' Elevator - $275

WANTED!
• NH No. 62 Baler Throwers (New or Used!)

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KERMIT K. KISTLER, INC.
Rt 143, Lynnport, PA 18066
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FARM EQUIPMENT

JOHN DEERE

NEW EQUIPMENT
JD 850 Tractor
JD 950 Tractor
JD 1050 Tractor
JD 2040 Tractor
JD 714 Forage Boxes
JD 1075 Running Gears
JD 1207, 1209 Mower Conditioners
Hesston 1014 Hyd. Swing Conditioner
JD 1710 Mulch Tiller
Bush Hog 1432 10½' Disc

USED EQUIPMENT
AC C & WC Tractors
Farmall H, MD, Super M Tractors
JD B Tractor
JD 520 Tractor
JD 720 Tractor
JD 3010 RCU Tractor
Ford 8N Tractor
JD 494A Planter
IHC 350 Mulch Packer
IHC 540, 550 4B Plows
JD F125 6B Plow
Ferguson 2B Plow
JD AW Disc 12'
Brillion 10½' Offset Cutter
NH 6' Cutter
JD 507 Cutter
MF 41 Sickle Bar 3 pt. Mower
NI Hay Rake
Plus other new and used equipment
Call For Details.

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Stewartstown, Pa.
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or 993-2732

FARM EQUIPMENT

JOHN DEERE

USED EQUIPMENT
JD 4440 Tractor
JD 494A Planter
JD 694A Planter
JD 4400 Combine
JD 105 Combine
JD 727 rotary mower
JD 244 Cornhead
JD 7000, 8 row, 30" corn planter w/Liquid Fertilizers and Monitor
JD 1250 corn planter
JD 214WS Baler
JD 346W Baler w/kicker
JD 485 mower conditioner
JD FB Drill
JD 3800 Chopper
JD 2450-6 Btm. on Land Hitch Plow
Oliver 5x16 Plow

NEW EQUIPMENT
JD 7100 8-row 20" bean planter
JD 111 Disk
JD 215 Disk
JD 2450-7B-16" On Land Hitch Plow

OTHER LINES NEW EQUIPMENT
Superior-Campbell Sprayers
Superior-Scranton Livestock Equipment, (Hay Feeders, Corrals, Gates)
Ceco Farm Buildings

J.S. COVERT & SONS
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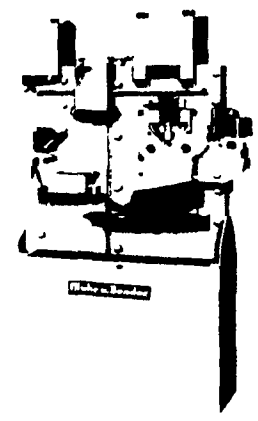
Just 3 miles off Rt. 202
(Between Flemington & Somerville)

FARM EQUIPMENT

NEW - USED
MACHINE TOOLS SHEET METAL AND METAL FABRICATING MACHINERY



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One of Largest Stocks of Machinery In Area

VAN DALE

- **Van Dale Products**
  - All New Magna-Trac Ring Drive
  - Silo Unloaders 10' - 30' New & Rebuilt
  - Bunk Feeders - Belt, Auger and Shaker
  - Conveyors - Auger & Single Chain
- **T.M.R. Van Dale Mixer-Feeders - 4 Auger**
  - Truck Mounts • 40 Cows
  - Trailer Mounts to
  - Stationary Units 400 Cows
- **Liquid Manure Spreaders**
  - 1500 Gal. to 4500 Gal
  - Soil Injectors
- **Liquid Manure Pumps**
  - Agitator-Filler
  - Centrifugal
  - Lagoon
- **Uebler Electric Forage & Grain Carts**
- **Uebler 810 Gas Cart**
- **Uebler TMR Forage Carts**
- **Red Top Stainless Steel Trough Cattle Waterers**
- **Lancaster Stave Silos - Stave or Metal Chutes**
- **Sollenberger Poured Concrete Silos Top or Bottom Unloading**
- **Double Chain Wood Conveyors w/Slip Clutch & ¾" Bottom**
- **Taper Board Feeders & Belt Feeders**
- **Circle Feed Supplement Bins**
- **Hedlund-Vaughan Chopper Pumps**
- **Leasing Available**

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K & S INC.
RD 1 Quarryville, PA 17566
PH 717-284-3111

FARM EQUIPMENT

USED TRACTORS

JD 4040 Power Shift	David Brown 1210
JD 1020	Ford 8600 Tractor
JD 3020 Gas	Farmall 140
JD 4430, Cab, Power Shift	Farmall 560 Diesel

Used Tractors Waivered To Jan. 1, 1983

USED EQUIPMENT
JD 336 Baler w/Thrower
Glencoe 12' Soil Saver
JD 4000 Disk Harrow, 12'
(2) JD 17x7 Grain Drills
Allis Chalmers Forage Wagon
New Idea Hay Rake

JOHN DEERE

SHOTZBERGER'S EQUIPMENT
Elm, Pa
Phone 717-665-2141

FARM EQUIPMENT

JOHN DEERE

TRACTOR SALE

JOHN DEERE

Finance Charges Waived Until Jan. 1, 1983 on New Tractors Plus JD Bonus Money

JD 2440 standard trans	JD 4040 Fenders
JD 2440 Hi-Low	JD 4240 SG, QR
JD 2940 2 Wheel Drive	JD 4240, SG, PS
JD 2940 4 wheel drive	JD 4440 SG, QR

New Special	Buy a new John Deere 6620 Side Hill Combine at 1981 Prices
JD 3960 Harvester	

TRACTORS
IH 1086 w/cab
JD 4240 w/148 Loader, 400 hrs.
White 2-85 w/cab
IH 400 D
JD 2940 (290 hrs.)
JD MT

PLANTERS
JD 7000 6R
White 5400 4R
IH 400 6R
IH 400 4R

COMBINES
JD 45 w/2 heads
(3) JD 444 Corn Heads
1980 MF 760, 338 Hrs.

HARVESTERS
NH 717 Harvester
Hesston 720 w/heads
NH 770 w/heads

HAY TOOLS
JD 24T Baler
NH 269 Baler

TILLAGE
JD 345 5 Btm. Plow
JD 950 12' Roller Harrow
Brillion 12' Roller Harrow
Ford 10' Disc
JD 1600 10' Chisel Plow
IH 510 Drill

TOBIAS EQUIPMENT CO., INC.
Halifax, PA 17032
Phone: 717-362-3132

JOHN DEERE

NEW HOLLAND

NEW HOLLAND FREE FINANCE HAY & FORAGE AND COMBINES JAN. 1, 1983, SPREADERS, GRINDER-MIXERS, SKID STEER LOADERS SEPT. 1, 1982

NEW EQUIPMENT
NH 310, 315 balers
NH 474, 488 & 489 haybine
NH 256 rakes, w/steel teeth
NH 782, 892 forage harvesters
NH 770W, 880W pickup heads
NH 722 one row head
NH 822 2 row heads
NH 38 crop chopper
NH 80 bale mover
NH 132 bale carrier
Pequea running gear
Pequea hay tedder
NH TR85 combine w/Cat engine
NH 13' rigid grain head
NH 962 W4 corn head
NH 513 & 519 manure spreaders
NH L325 skid loader
NH 234 8 ton running gear
Glenco soil saver
Vicon mower conditioners
Vicon rakes
McConnell 14' forage box

USED EQUIPMENT
NH 717 r1 corn head
NH 717 forage harvester w/1 row head
NH 469 haybine
NH 401 conditioner
NH 285 baler
NH 54A baler w/thrower
Ford 612 chopper w/head
Ford baler
Hesston PT 10, haybine
NH 479 haybine
NH 273 baler
NH 850 round baler

Renting skid steer loaders

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Farm - Industrial Equipment
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Ford Tractors Equipment

1200, 1500 4WD, 1700, 1900 4WD w/rebate on price.

TRACTORS
New Ford 1200, 4 wh dr, diesel, ag tires **$5,900**
New Ford 1500, 4 wh dr., diesel, plus rebate **$7,137**
New Ford 1900, 4 wh dr., diesel, plus rebate **$9,332**
2600 Ford, cab, front broom **$12,995**
3600 Ford w/Cab, 489 hrs., Diesel, 8 speed **$9500**
5600 Ford, 4 wh dr, Blue Power Special **$21,000**
5600 Ford w/canopy, 150 hrs. **$12,995**
3000 Ford, new paint **$4,400**
IHC Farmall C new paint **$1,395**
IHC Farmall Cub w/hyd. **$1,795**
IHC Farmall H, gas, good tires **$795**
2000 Ford, PS, nice, 1228 hrs **$5,900**
5000 Ford diesel, new tires, new paint **$5,900**
Ford 9N gas, new paint, front bumper **$1,695**
David Brown 4600 select-o-matic diesel **$1,995**

TRACTORS & LOADERS
9N Ford over/under trans. **$2,395**
4000 SU Ford

TRACTORS, LOADERS, BACKHOE
555 Ford, demo, new backhoe **$28,000**
4500 Ford, diesel, good shape
JD TLB Serial # 3026-1-T-60, model 93 backhoe **$5,900**

EQUIPMENT
Owatonna Swather model 260, cab & air self-propelled, used 2 seasons **$6,500**
New Ford conditioner, model 538, 9' made by IHC **$6,900**
New Ford haybine model 537 **$4,950**
New Brady spreader model 141, 150 bu, special **$2,495**
NH model 975, self-propelled combine, 13' grain head **$2,995**
New Ford corn planter, 6 row, no-till, tires, fert attach & seed control
AC Mower Conditioner 904, 829 **$795**

New FOR '82!

BUSH HOG®

MODEL SQ-48R SQUEALER

4' Rotary Cutter

Economical, Durable, Ideal For Utility Cutting.

SPECIFICATIONS
AND STANDARD EQUIPMENT

CUTTING WIDTH	48
HITCH	3 Point lift
CUTTING HEIGHT	2 12
DECK	11 gauge steel
BANDS	11 gauge x 7
TRACTOR HP	15 35
BLADES	3/8 x 3
GEARBOX	540 rpm heavy duty
WHEELS	Solid caster full swivel
WEIGHT	Approx 420 lbs
ROUND BLADE HOLDER	Standard

Safety Chain Shielding Is Available

WARNING Because of the possibility of injury from thrown objects all rotary cutters are potentially dangerous Any rotary cutter intended for use along roadways or other locations where people may be present must be purchased with safety chain shielding

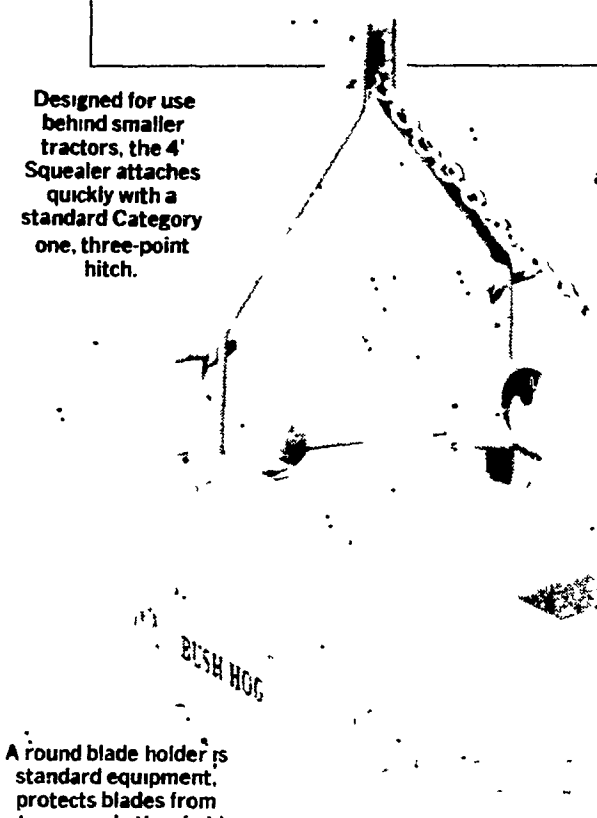
Specifications subject to change without notice

ECONOMICAL — Here s economy plus in a rugged four foot rotary cutter from Bush Hog! A true top line model at a bottom line price Competitive mowers are built cheaper priced higher — Compare for yourself

DEPENDABLE — The Bush Hog SQ 48R is designed for all general utility cutting ideal for grass clipping, small pastures light maintenance work

DURABLE — Built by the industry leader, the Bush Hog SQ 48R Squealer features all welded frame construction and a round blade holder The Squealer is highly versatile built for years of trouble free cutting

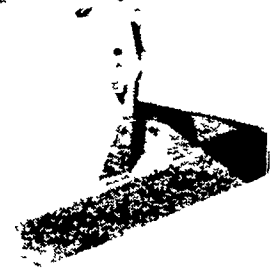
Designed for use behind smaller tractors, the 4' Squealer attaches quickly with a standard Category one, three-point hitch.



The flexible linkage allows cleaner cutting on uneven terrain as the 4' Squealer "floats" over ground contours.

ASAE Category 3 universal joint is standard equipment

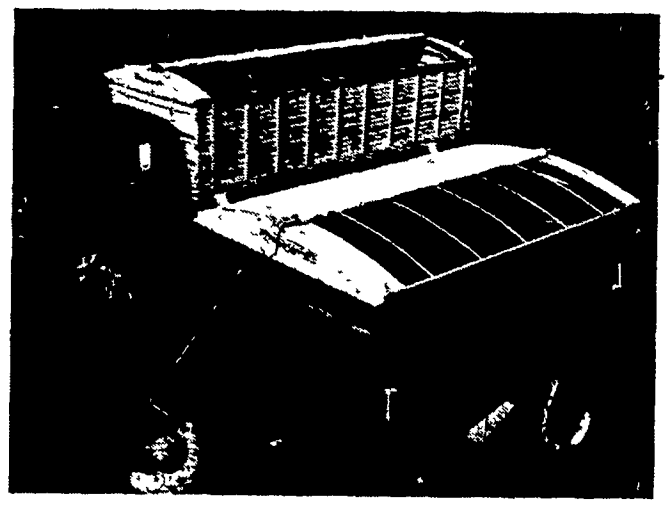
Height of cut is easily changed from 2 — 12 inches by a simple, one-bolt adjustment on the tailwheel The full swivel wheel permits quick maneuvering around field obstructions



A round blade holder is standard equipment, protects blades from stumps and other field hazards

The tapered rear design allows fast discharge, finer shredding Less tractor horsepower is required

Only $475.00



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Windproof, weather tight protection for your loads and box. Simply roll-on and roll-off **Coverall** while standing on the ground The unit is available for truck, gravity and auger boxes 10 to 22 ft long and 6 to 8 ft wide The cover is made of 18 oz vinyl-coated nylon

14, 16, 18 & 20 Ft. Models In Stock

USED OLIVER TRACTOR PARTS
- Wide Front Axle Assembly 1550-1955
- 1655 Diesel Engine Block
- Hydra Power for 1600
- Reconditioned Crankshaft for 1755 Diesel
- 1600 Gas Engine Block

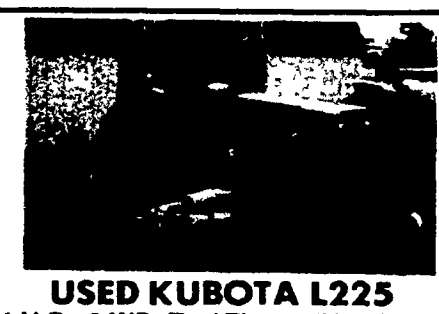
USED WHITE 5400 6 ROW 30" PLANTER
Granular Fertilizer & No-Till Monitor
$5000.00

NEW WHITE 255 DISC HARROW
10 ft 4 in., 32-7 Gauge Blades, New 9 5L-15x8 ply Tires, Disc Levelers
List Price .$4630 00
OUR SPECIAL $3500.00

NEW WHITE 256 DISC HARROW
12 ft 8 in , 40-7 Gauge Blades, New 9 5L-15x8 ply Tires, Disc Levelers
List Price $5335 00
OUR SPECIAL $4000.00

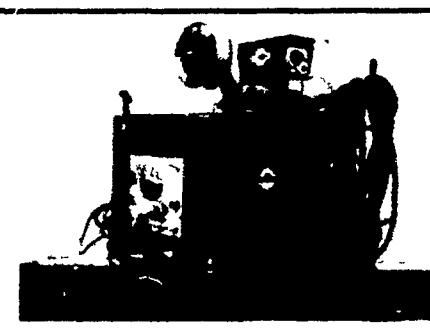
We Provide Service And A Full Line Of Parts For Kubota Tractors

DEMO KUBOTA L245
24 H.P., 2 WD, Turf Tires w/Woods 72" Undermount Rotary Mower & Woods 405 Vacuum Attachment
$8500.00



USED KUBOTA L225
24 H.P., 2 WD, Turf Tires w/New Woods 72" Undermount Rotary Mower
$5500.00

USED BOLENS X16XL GARDEN TRACTOR
16 H.P., Hydrostatic Drive, Hyd. Lift, 48" Rotary Mower, Excellent Condition
$2595.00



USED MILLER SCP 200C MIG WELDER WITH MILLERMATIC 30E WIRE FEEDER

PRIMARY	SECONDARY
Volts 208/230/460	200 Amps
Amps 42/38/19	60% Duty Cycle
Single Phase	

Complete With The Following Accessories
- Gas Flow Meter and Hose
- Ground Clamp w/25 Ft Cable
- Gun Assembly w/10 Ft Cable
- 50 Ft Power Cord and Plug
- Roll 035 Wire
- Roll Aluminum Wire
- Custom Wheel Cart
- Heavy Duty Helmet

USED 1976 CHEVY C30 TRUCK

With New Omaha Standard 10 ft. Grain and Cattle Body, Hoist Truck was Completely Rebuilt by Us. Stop In and See This One.

FARMERSVILLE EQUIPMENT INC.

RD 4, East Farmersville Road, Ephrata, PA 17522
Located in the Village of Farmersville, Lancaster County
717-354-4271
Hours: Mon., Tues., Wed. & Fri. 7:30 A.M. to 5:30 P.M.; Thurs. to 8 P.M.; Sat. till 3 P.M.

Bolens DIESEL TRACTORS

WHITE FARM EQUIPMENT

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

NEW EQUIPMENT

TRACTORS
JD 650 MF WD
JD 850
JD 950
JD 2040
JD 2240
JD 2440
JD 2640
JD 2940
JD 4240 w/SG & QR
JD 4440 w/SG & QR

TILLAGE EQUIPMENT
JD 215 11'5" Disc
JD 235 19'11" Disc
JD RM4 cultivator
JD 2800 5B Plow
JD 1250 3B Plow

HAY TOOLS
JD 1209 Mower Cond.
JD 1320 Mower Cond. (Demo)
NH 474 Haybine
NH 258 Rake
Thrower for 320 Matthews 9E Rotary Scythe
JD 327 Balers
NH 847 Round Baler
NH 38 Crop Chopper

COMBINES & HEADS
JD 215 Flex Platfrom
JD 444 Corn Head
JD 6620 Combine

OTHER EQUIPMENT
JD 75, 145, 148, 158, 260 Loader
JD 506 Mower
JD 965, 1065 Wagons
JD 78 Blade
JD 392 Spreader
NH 679 Spreader
NH 14, 230, 234 Wagons
Century 300 gal. Sprayer
Century 500 Gal. Sprayer
Hub 36' Elevator
DeLaval Manure Pump

PLANTING EQUIP.
JD 7000 Consv. Pltrs. 4R & 6RN
JD 8200 Plain Drills
JD 8350 Fert. Drills

USED EQUIPMENT
JD 4230 Tractor w/RG
NH 791 Manure Spreader
JD 54 Manure Spreader
NH 276 Baler w/thrower
NH 320 Wire Baler w/hydraformatic & quarter turn chute

WANTED
Experienced or mechanically inclined personnel to work in our dealership.

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DeLAVAL JAMESWAY
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Quonset Buildings.

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TRACTORS & EQUIPMENT

IHC Super C Farmall Tractor
IHC 340 Farmall Tractor
JD 950 Tractor
AC D17 Dsl Tractor
Ford 8N Tractor w/Loader
MF 1085 Tractor
MF 50A Tractor, Loader, Backhoe
MF 3165 Tractor w/Loader & Cab
MF 50 Tractor w/Loader
MF 40 Dsl Tractor and Loader
Loader for 65 or 165 Tractor
Gehl 120 Grinder Mixer
NH 467 Haybine
NH 478 Haybine
NH 892 Fg. Harvester
Fox 1000 Forage Harvester
(3) NH 36 Crop Chopper
NH 270 Baler w/thrower
NH 269 Baler w/thrower
NH 1010 Bale Wagon
NH 510 Manure Spreader
NI 213 Manure Spreader
AC 516 Plow
IHC 990 Mower Cond
NH 451 Mower

NEW M.F. EQUIPMENT

MF 230 Tractor
MF 275 Tractor
MF 285 Tractor
MF 245 Tractor
MF 265 Tractor
MF 205 Diesel Tractor
MF 50C w/Loader
MF 50C w/Loader
MF 40B w/Cab
MF 40B w/Cab
MF 30B w/Cab
MF 124 Baler
MF 34A Loader
MF 34A Loader
MF 32 A Loader
(2) MF 216 Loader
MF 300A Loader
MF 640 Corn Planter
MF #43 2B Plow
MF 820 Disc Harrow
(2) MF 320 Disc Harrows
MF 226 Scraper Blade
MF 227 Scraper Blade
MF 218 Rotary Cutter
MF 124 Baler w/Thrower
MF 218 3 pt Rotary Cutter

S.G. LEWIS & SON, INC.
R.D. 2 Box 66 West Grove, PA
215-869-2214

NH 273 Baler $1750
NH 269 Baler w/thrower $1650
NH 269 Baler $1150
NH 479 Haybine $2775
MF-NI Mower Conditioner $1195
Starline 810 Flail Spreader $775
(2) NH 518 Spreader w/hyd endgate $1600 to $1750
JD 44 Spreader 450
IHC 550 Fg. Harvester w/pickup & 2R Adj. Heads $895
NH 717 Forage Harvester
NH 880 N3, R2 Cornheads
JD "60" PTO Blower $475
Call for prices on other equipment

SPECIAL PRICES ON NEW

NH 3R Head, Auger & Pickup
NH L35, L325 Skid Loaders
NH 310 Baler
NH Mowers, & Rakes
NH 489 Haybine
NH 230, 234 Wagons
NH 513, 518, 800 Flat Bed Spreaders
3200 gal Spreader with injector, Rental
Pequea Tedders
Skid Loader Rentals
Zimmerman Elevators

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New Equipment Specials For the Month of June

IH 4135 skid loader	$7,800
IH 84 hydro tractor	$13,200
IH 720 5 furrow 18" plow, automatic reset	$6,800
IH 986 diesel tractor	$26,900
1190 mower conditioner	$6,700

F.O.B. McAlisterville
No Trades

NEW EQUIPMENT

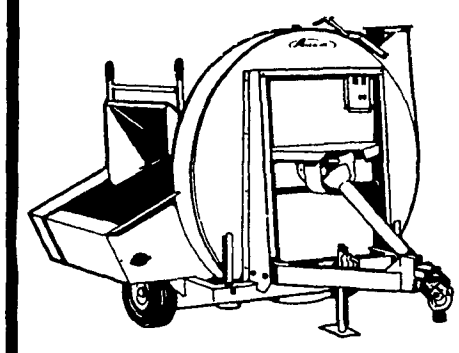
IH 684
IH 584
#10 flail chopper $ SOLD

USED EQUIPMENT
Farmall M $1,500
Case 1070 tractor
MF 85 tractor $2,900
IH 504 tractor $3,650
IH 424 tractor $3,500
IH 544 gas hydro, new engine $5200
Ferguson tractor, $1700
Farmall 460 gas, $3500
Oliver 1650 tractor $4,800
AC gleaner combine model CII 14' grain & 4 row corn head $7000
(2) IH 205 combine $6500
IH 315 combine $4,700
Oliver combine $700
IH 311 fast hitch plow $350
MF 3 furrow plow $200
Oliver 3 furrow plow $400
IH 76 combine $500
IH 455 4 row corn planter $2500
IH 3 pt. hitch corn planter $500
NH 460 haybine $775
NH 469 haybine $2300
IH 400 Cyclo planters, 6 row $3500
IH 400 Cyclo planter, 4 row, no-till $4200
IH 234 corn picker
72" Woods under mount mower $350
2- IH 990 mower conditioner, $1975
IH 234 sheller attachment $1325
2 IH 550 forage harvester hay & corn head $1500
NH 3 pt. hitch mower $800
Brillion 9' cultipacker $275
JD 12A combine $600

DOMBACH EQUIPMENT
McAlisterville, Pa. 717-463-2191

Spring Special...

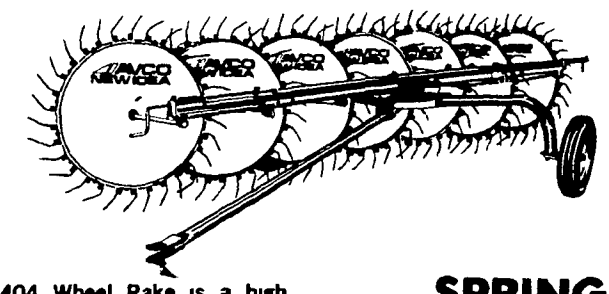
NEW IDEA MODEL 621 FORAGE BLOWER



New Idea's 621 Forage Blower is a rugged, high capacity model for better performance than ever before It features a husky 57" fan for medium to large operations Comes with a standard adjustable tongue that makes tractor hook-up fast and simple.

SPRING SPECIAL $1,700

NEW IDEA MODEL 404 SPEED WHEEL RAKE



The 404 Wheel Rake is a high quality rake at a reasonable price Rakes fast and clean in any field. smooth, uneven, contoured or hilly. Plus, it costs less to buy and less to maintain

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We need to clear our showroom. . . and we're offering you great deals to do it!
All Ford tractors at remarkable savings!!

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Model #1300
2 Cyl. Diesel
2-wheel drive with 12x4 trans.
8.3x34 rear tires.
$4,255
List $5,660

Ford
Model #1500
2 Cyl. Diesel
2-wheel drive with 12x4 trans. and 9.5x24 rear tires.
$4,634
List $6,165

Ford
Used
8N TRACTOR
Completely overhauled with 90 day 50-50 guarantee
$2,695

Ford
Model #2600
3 Cyl. Gas
Dif. lock, power steering, pan seat, swinging drawbar, 12.4x28 rear tires, 8 spd. trans.& Live PTO
$8,458
List $11,277

Ford
Model #2600
3 Cyl. Gas
Manual steering, pan seat, swinging drawbar, 12.4x28 tires
$7,922
List $10,563

Ford
Model #545
3 Cyl. Diesel
Industrial Tractor, 540 RPM PTO, manual reversing 6x4 trans., No 3-point lift. 745 3500 lb. loader, ¾ Ycl. 81" wide bucket
$16,212
List $21,372

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JD 70 wf & PS
JD 830 2 cyl diesel, pony start
Amco 20' wing disk
IH rear weights
JD 70 diesel head
1 pair used 18 4x38 super torque
Rear tires w/tubes
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FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

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FICKES SILO COMPANY, INC.
NEWVILLE PENNA 17241

(Combines, Tractors and Equipment on our Lot.

(Combines) Used JD 8820 fully eq. w/4 whl drive and dual wheels used 1½ seasons like new w/flex grain, New JD 4420 fully equipt w/213 grain & 443 C H 1977 JD 4400D fully equipped like new INT. 1440 axiel flow w/4 wheel drive, used 480 hrs , White 8900 used 400 hrs 1976 Gleaner FD w/air and both heads (1 local owner), 1976 Gleaner K C A w/grain, real nice, JD 6600 Side Hill turbo, hydro, floating cutter bar, real nice, 1979 MF 550D, excel w/grain and corn heads. 1975 MF 510 hydra w/grain and corn 1973 Int 915 gas w/grain head MF 510D Hydrostatic w/mud hog rear wheel drive w/Quick tach grain and 44 Lo Profile corn head. 1968 Gleaner CII diesel w/cab and 4 row C.H , JD 7700 D w/grain & corn head, JD 6600 D w/air & 13 Ft. grain. JD 55 sq. back corn special w/cab and 2 heads - $7500; Int 715 gas w/cab, 810 grain and 844 C.H., Int. 810-15 ft. floating cutter bar.

1977 Int. 915 w/rear wheel drive, grain and 863 C.H.; Late model Int. 303 w/cab, N.H. 985 w/cab and grain and 4 row 38" C.H. MF 550 D w/13 ft. grain, 1972 Gleaner F w/grain & C.H. N.I. 702 D uni w/cab $9000; NI 702D Uni w/cab $6500.

N.I. 702 D w/husking bed and 3 row C.H., NI 702 w/729 A sheller.

TRACTORS & EQUIP. Farmall 1566 w/cab and duals, Used White 2-105 w/roll guard, Ford 4000D w/1400 hrs. excl., M.F. 165 Tri D. N H 1010 Bale Stack Wagon, Corn Heads Gleaner FL430, A430 for F or F2, MF 421.

New John Deeres 4040 w/Power Shift and R.G. for $23,950, New JD 4240 cab & air Q.R. for $30,000, Farmall 560D Farmall 1256 w/cab & air, (7) real nice balers, Int 445 baler w/thrower like new NH 320 w/thrower, used 1 season. NH 273 w/thrower, real nice, NH 268 w/thrower JD 346 wire w/thrower, JD 24T w/#30 kicker, Hawk Built round baler.

Corn Heads JD 643, 444, 443 435N, 313 for 45C, 334, 235, Massey Ferguson 44, 63, 43, 24, 222, 422, Gleaner L438, F430, F438, A430, K238, F335, F330, K330, Int. 863, 864, 844, 843, 744, 743, 227, NI 4-row 40" heads, Case 4 row 40", MF 44 & 43 Lo Profile, Int. 744 for 715, Int 6 row, 30" for 503, NH 4 row 38" C.H. New JD 444, $7350 Just Rec - New JD 643, used White 704N, 706N C.H. used JD 444 for $3500.

Tractors just dealt for on our lot. New Int 5088 fully eq. new Farmall 1586 w/radial tires and triple outlet for $29,500, Farmall 1066 w/cab & air, very nice, Farmall 706 gas, 806 diesel w/cab original-Nice 1206 real nice, 706D W F and 3 pt. 766D w/38" tires and 3 pt., new JD 4440 C A Quad w/radial tires, used JD 4230 w/R G and creeper gear, 2640, 2630, 1966-4020, 1966-3020, 3020D WF and Diff lock We have 6 JD 4020 side console diesels MF 175D w/Loader, MF 3165 w/Loader, JD 2440 w/R G. 2840 for $12,000, 1970 JD 5020, 4010D WF w/dual hydraulic, Ford TW20 w/cab w/220 hrs., damaged

TRACTORS 1977 JD 4230 cab, air, quad, real nice. JD 5020 original w/dual wheels; 4020 WF power shift w/new tires, JD 300 loader and backhoe, JD 6030 C.A. Duals, real sharp; JD 6030 cab and duals, fair, JD 4320. Farmall used 986 cab and air, 1566 cab and air w/new T.A., for $18,000. Farmall 544 gas W.F. Farmall 706D WF & 3 pt.; NI 324 picker w/super sheller used 80 acres.

Just Purchased Equip. Int. 3588 - 2 + 2 w/dual wheels, used 530 hrs. like new New MF 285 w/R.G. & M.P. for $17,500. JD 4020 W.F. power shift, good tires $7700; Case 1070 P.S $6975; Super M new paint $1400; JD 9300 - 28x7 XX Disk Double grain drill like new. NH 355 Gr. Mixer like new; JD 1209 Haybine, new & used N.I. 272 7 ft. cut/ditioner

PLANTERS - AC 8 row 20" 3 pt bean planter (SOLD) like new; Int. 400 4 row air planter $975; 3-JD 400 15 ft. rotary hoes, Brady 3 pt. 10 ft. chisel plow,

CULTIVATORS - Int (SOLD) and JD 4 row rear; JD 4 row front, Ford (SOLD) 2 row, Oliver 4 X rollover plow, JD 215 13'9" disk used 2 days, JD 8300 18x7 XX Disc w/grass seed drill, like new, Int. 56 blower $395, Haybines NH 489, 467 7 ft., New Int. 2250 loader, new J D 4440 C.A QR used 40 hrs. at a real price

CORN PICKERS - (new) N.I. 324 w/12 roll bed; NEW New Idea 325 w/12 roll bed, Used (4) N.I 324 w/12 roll bed, (1) NI 325 N w/12 roll bed (325 N. w/sheller), NI 3 row 30" picker w/super sheller, New Idea shellers and Super shellers, N I 2 row 30" picker w/grinder NI 323 one row, Int 234 w/12 roll bed JD 3800 2 row chopper

J D 7520 w/3 pt. & Dual Wheels JD 4020 w/58 Loader, J D 4010 gas JD 4020 gas $4900. JD 4430 w/sound guard, cab and Q R for $15,500 00, JD 4320 w/cab, 1970 JD 4020 Power Shift & Dual Hyd

Farmall - 1568 - V8 w/cab & air used 1000 hrs , 1566 w/cab, 1466 w/cab 886 w/cab, 800 hrs , like new 706 Gas, 856D nice, Steiger Bearcat 4 whl drive w/dual wheels and new motor in excell cond , Farmall 460 Gas w/F H., Farmall 756 gas, 560, Farmall Hi Crop 656 diesel, 756, Cub Loboy (SOLD) w/mower, Cub Cadets 1650, 1450, 1200, JD (SOLD) 212, 210, 200, 112.

HARVESTERS New Int 720 w/2 row, JD 38 w/2 row pickup N.H. 770 w/2 row, Used Int. 720 - 2 row, J.D. 38 Chopper w/2 row, NI 3 row, Fox 2 row 30", Fox 3 row 30", Fox 2 row snapper head. Grove Forage Wagon w/roof, NH 770 1 row snapper C.H. NH (SOLD) Super 717, Gehl 600 w/2" 30" & pickup head.

ALLIS CHALMERS 185 w/R.G. w/600 hrs., 7080 w/cab & duals $18,800, 7040 w/cab, power shift like new, low hrs., 210 w/new 20.8x38 tires, AC H3 Crawler w/blade and winch, New A.C 185 D w/R.G. for $13,500.

JOHN DEERE New JD 4440 cab, air, power shift, $35,900 New JD 4640 C.A. P Shift (SOLD), new JD 2940, New JD 4440 cab, air Quad, used JD 4430 - 4 post, power shift, used 4230 cab, air, QR, nice, 1975 - 4430 C.A QR. sharp. 4030, 5020 tractor puller, 4010D w/WF, JD 2020 w/loader, JD 3020 P.S. Gas JD 4030 w/R.G and Quad. JD 60 w/P S. and JD 60 w/2 row cult., JD 630 w/3 pt., JD. A

FARMALLS. 1586 w/cab, w/800 hrs , fully equip. w/dual wheels and dual PTO real nice, used 1086 w/cab, air, 1 owner-looks like new, used 1086 w/Rops, 966 black stripe w/roll guard, 1066 red cab & air, Used 686 w/cab & air, 1206 w/cab, 806 w/3 pt. & 38" wheels, Farmall 656 Diesel & 656 gas, Farmall hydro 70 w/w f and 3 pt , 826 hydro D nice 756 WF 3 pt. original, 656 Hydro D WF 3 pt original, M, 400 w/P S & F H , Super M, (SOLD) Int 574, Super H, MTA

New White 2-105 w/cab $22,850. Oliver 1755 w/cab and air 2255 w/V-8 cat and new over and under shift

MASSEY FERGUSON - Used 2775 w/duals like new, used 1080 w/duals, 1130, Super 90D for $3400 00

(Case) New 2090 Cab & Air, power shift $23,950, 1975 Case 970 w/4 post, P S , 1070 P S original for $7450 Case 1410D

Case 1370 - P S , Oliver 1950T w/cab, 2050, 1855 w/20 8 tires, 1850 w/cab, Ford 8600 w/Dual Power used 1800 hrs , Ford 6600 w/cab, like new, 6000 Commander, D Ford 5000 D w/Loader, MM S670 diesel

Tractors and Equip just dealt, 1970 JD 4020 side console w/dual hydraulic (local owner) JD 2510 gas w/48 loader, JD 4520 w/cab, Oliver 1650 D w/over and under shaft, Long 350D w/mtd broom; Int 460 utility w/loader, 1972 JD 4020 w/factory cab original, JD 700 gr mixer, Woods 4 row stalk shredder.

N.I. 702 Uni tractors w/combines & 729 A and 729 Uni shellers w-3 & 4 row 30" and 40" heads Used JD 13 to 15 ft grain heads, JD 216 flex heads

IND. EQUIPMENT - Int 510 4 whl drive payloader used 500 hrs. like new. Cat 955 crawler loader for $5500.00, Case 850 D dozer w/hydrl blade, Skid Loaders - Bobcat Hydro 720, 700. Ford CL40 Skid Loader

CORN PLANTERS - Used Int. 800 Early Riser 8 row 30" w/dry fert , inst no-til, population monitor, fully eq., like new, used JD 7100-12 row no til hydraulic fold soybean special used less than 300 acres, New 7000 JD 4 row w/Inst , fert & monitor $6950, used JD 7000 six row w/fert fill, plateless, inst w/minimum till & monitor, (new) White 5100 4 row planter w/monitor for 6850, Bearcat 950 Grinder Mixer used twice, like new Int 1250 Gr Mixer w/elect scales-nice, N I 325 picker w/sheller

New Case 22 ft hyd. fold field cult Used Case 13 ft Disc w/new blades and dual wheels New Haybines, Gehl 1090 9 ft for $4800, New N I 299 for $4200. (used haybines) NI 279 9', NI 272, 7' (SOLD) cut/ditioner, MC 7' rotary scythe, NH 479, 469, 477 7 (SOLD) ft. Int 990 7 ft JD 1209, 1207 (SOLD) , New Gehl 1600 round baler list price $10,500.00 Our Price $7950. NH 256 & 56 rakes, used Oliver 5 bar rakes (SOLD).

New Caldwell 8 ft. heavy 3 pt blades Cabs for JD and Int Tractors Used Int rollguards New Int #4500-16½ ft field cult, used Glenco SS9 soil saver

Glenco 12 ft 9' Soil Finisher like new

Planters Used JD 1240 plateless w/Inst and XX Disk openers, Used JD 7000 -4 row wide and insect (SOLD) Oliver Planter 6 row w/no til fert fill, inst and monitor, (Grain Dills), used JD 8350 23x7 w/XX disk, Used M F 43 drill, real clean, NH pick-up heads for 770, 717, (2 offset Disks) Wilbeck 12' offset like new, JD 1630 11 ft plowing disk, JD Disks #210 Int #480-22 ft Wing Disk, N I 214 spreaders good, Badger 1500 gal liquid tank spreader

PLOWS - Int 6X spring reset, Ford 5x18 spring reset Ford 3x18 sp reset, JD 2500 6x sp reset, JD 5x hyd reset, Int #140 - 4x18 rollover plow, new Brillion 25 ft hydraulic fold cultimulchers (SOLD), New Brillion 21' hyd fold packer, Used Brillion 15 ft cultimulchers, new Int #80 snow blower, New Johnson loader.

Used JD 400 15 ft rotary hoes, New White. 14 ft. field cult , Kawanee 22 ft Wing Disk, NH 26 blower, used Long 1199A 3 pt. backhoe, like new $3850.

Loaders - used JD 58 MF loader for 1105 Int. 2000 Loader, Int. Fast hitch 3 pt. adapters, 3 pt. hitch for 630 and 730 JD tractor. New and Used J D Quick Couplers 4 Used 30 5 x 32 tires

(Combines for Parts) Int. 715D, MF 510

TRUCKS - 1979 Chev C65 24 ft rollback w/51,000 miles, like new, KW truck tractor fully eq looks like new, Delta 44 ft combine trailer, 1980 Silverado Chevy diesel w/every option, looks like new (New) NH Direct cut head for 770 (New) Kill Bros gravity bins New Kill Bros 8 & 10 ton running gears Pick up heads for Int 550, 650, 350, Fox pickup head, Direct cut head JD 3800 & 38 JD 3 row narrow silage head (10) sets of dual wheels all sizes

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USED TRACTORS
JD 3010
JD 2640
JD 2840 w/Loader
JD 50
Farmall A w/Cultv, Plow & Pulley

USED CORNPLANTERS
JD 1240
JD 1260 w/monitor
JD 246

USED HAY & FORAGE EQUIPMENT
JD 35 Fg. Harvester w/N2 head
JD 3800 Forage Harvester w/2RN
Fox 2200 Fg Harv w/2 heads
NH 3RN Corn Head
JD 244 Snapper Head for Fg. Harvester
NH 271 & 269 Balers w/Throwers
NH 68 Baler
JD 14T & 24T Balers w/Throwers
OMC 9' Mower Cond
JD Hay Crimper
NH 1469 SP Haybine, w/Ford Water Cooled engine
NH 469 & 495 Haybines
Hesston 1010 Swing Tongue

USED TILLAGE
9 Shank Soil Saver
IH 13' Transp Disc
Pittsburgh 12' Transport Disc

MISCELLANEOUS
15 HP 3 phase elec Grain Dryer Motor
NH 352 Grinder Mixer

NEW MISCELLANEOUS
JD 335 Skid Sprayer
Most Model JD Loaders & Blades
EZ-Flo Gravity Boxes

NEW TRACTORS
JD 2040
JD 2440
JD 2640
JD 2940
JD 2940 SQ
JD 2940 4 Whl Dr
JD 4440 SG
JD 4240 RG

NEW HAY & FORAGE EQUIPMENT
JD 506 Gyamor Mower
NH 718, 782, 892 Fg Harvesters
JD 3940 & 3960 Fg Harvester
JD 337 Balers
NH 315 & 320 Balers
NH 1495 SP Haybine
NH 489 Haybine
JD 567 & 660 Wheel Rakes
NH 256 Rake
JD 714 Fg Wagons

NEW PLANTERS
JD 7000 4 & 6 Row Consv

NEW TILLAGE
JD 950 Roller Harrow
JD 2600 & 2700 4B Plows
JD 1600 Chisel Plow
JD 115 & 215 Disc Harrows
JD 215 Dura-Cushion Disc Harrow
Haybaler No-Til Drill Also for Rent
Haybuster

NEW SKID STEER LOADERS
Bobcat 743
Repo 731

NEW SPREADERS
NH 519
JD 450 Hydro Push
Martin V Type & Scavenger
H&S Spreaders

NEW DRILLS
JD 8200 18x7

No Finance Charge on new and used JD tractors until Jan 1 1983

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USED TRACTOR SPECIALS

Case 830 65 H P Dsl	$6750
JD 4020	
JD 2840 w/cab, air, 900 hrs	$16,500
JD 4320 w/SOLD guard, canopy	$12,500
JD 462 SOLD	$17,500
JD 6030 w/cab, air	$17,500
JD 4430 cab, air, QR	$19,750

USED EQUIPMENT

JD 7700 combine
JD 7700 Hydro combine, rotary screen, auto hdr
JD 443 CH
(2) JD 444 Corn Hds
(2) JD 643 CH
JD 16' Platform
JD SOLD ick Tach
JD 15x7 Van Brunt Drill
MM 10' Wheel Disc
AC 3300 14'6" Disc
JD 230 Disc 21'
Sunflower 24' Disc
JD 1450 6B Plow
JD F145 5-16 Plow
IH 4-14 Pull Plow
JD 24T Baler
JD 25 Forage Harv
JD 606 6' P Mow
JD 205 5' 3 pt Mow
JD 5' PT Mow
Woods 6' 3 pt Mower RM 306
Woods 7'6" PT Mow
JD 5' PT Mow
JD RG4 Cult

JD 965 Rn. Gear
Gehl 72 Chopper
Davis 20x4 Trencher
CORN PLANTERS
Waiver avail until April 1983
JD 494
JD 494A w/fert
JD 1240 Plateless
IH 56 6R w/Fert
IH 500 6R
JD 7000 6R Fert
JD 12RN Tool Bar
JD 71 1 SOLD
NEW PLANTERS
JD 7000 4R Wide
(2) JD 7000 6RN Consv
JD 7000 12 RN FF

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36 Ft. and 40 Ft. Also Available

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ADAPTABLE TO MOST APPLICATIONS

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Sales and Service

SU 1052, 44 H P	$2950
SU 1053, 66 H P.	$3750
HR 292, 26 H P	$2375

JD 1240 Plateless Planter Disk Opener	$1850
NH 273 Baler SS Nice	$2550
MC 7E Rotary Scythe	$1295
NI Wheel Rake, Good	$600
Grimm Hay Tedder, Ground Drive	$800
455 N H Mower	$825
Hesston PT-7	$1075

TRACTORS

IH 350 Fork Lift	$2700
AC D19 Diesel	$2950
Case 930 Standard	$3700
Oliver 770 Gas	$1600
IH Super M	$1250
8N Ford	$1550

HESSTON FARM EQUIPMENT

NEW HESSTON 3800 RAKE $1695

SALES & SERVICE
MILLER'S REPAIR
1 Mile North of Bird-in-Hand
8 Miles East of Lancaster
RD 1, Bird-in-Hand, PA Ph 717-656-6109

TRACTORS

Ford 901 PS/3 pt new tires
IH 300
JD 70 Gas
(1) JD Late A
(1) Farmall H $750, $850
IH 240 w/fast hitch equipment, 2 btm plow, disc, mower, cultivator, platform, 3 pt adapter, cornplanter, $2500

COMBINES

IH 205 2 heads
Gleaner C2 two heads
Gleaner C2 one head
MF 300 $2000
MF 300 w/cab $2500
MF Super 27 Clean $850
AC 66 pull
IH 203 10', PS $2100
JD 30 auger feed, pull

COMBINE CABS

JD 105 w/air, will fit others
IH 403, late model, fits 15 series
IH 403, will fit 203, 91, 205, 315
MF 410, 300, 510

HAYBINES

Hesston 12' hydro swing $1650

MISCELLANEOUS

NH 67 baler
2 unloading wagons $450 & $750
2 IH 56 blowers
2 JD 483 haybines
2-NH 66 balers
NI 323 picker
Grass Mowers on hand
NI #7 picker, A-1
IH 430 baler w/thrower, real sharp
IH rotabar rake

DISMANTLING TRACTORS FOR PARTS

JD 2010, 70D, 4010, IH F 14, A, B, C, H, M, 300, 350, 460, 460 Ut , Supers C, H & M JD A, B, 50 & 60 AC WD, Oliver 70 & 77 Ford 8N & 860 Case SC & V A C Massey 44D, MF 85D, IH 400, MTA, 240, F20, WD D2 Cat crawler
Dismantling 100 combines and 50 pickers for parts

KEITER'S FARM MACHINERY
R D #1 Halifax, PA 17032 Rt 225 20 mi from Hbg
Phone 717-362-9574

NEW EQUIPMENT SPECIAL

AC 6080 Tractor
AC 7060, PS with Cab & Air
AC 5050
N-5 Rotary Combine with 15' Floating Header and N630 Cornhead
AC 2000 5-16 Moldboard Plow with Concave Coulters
AC A430 Cornhead, FE Combine

USED COMBINES & CORNHEADS

AC KKS Gleaner w/10' Header and 2-Row Cornhead
AC FKS-2 Gleaner w/Diesel, Hydro Drive with 13' Header
AC C Gleaner w/440 Cornhead
IH 315 Combine w/13' Header and 2-Row Cornhead
MH 82 SP Combine, 13' Header
(2) MF QT24 2-Row Header

USED TRACTORS

AC 7020 PS Tractor, Cab & Air
AC 185 Tractor, Diesel
AC 7000 w/Cab & Air
AC 5050 (220 Hours)
AC D15 Tractor

USED MISC. EQUIPMENT

PT10 Hesston Haybine
277 NH Baler w/Thrower
NH 479 Haybine
NI 279 Cut/ditioner
NH 268 Baler w/Thrower
IH 51 Forage Wagon
NH #90 Round Bale Handler
NH 469 Haybine
JD 10' KBA Disc Harrow
Ford 10' Disc Harrow
IH Mounted Field Cultivator
IH 710 5-Bot 18" Auto Reset Plow
JD 38 Forage Harvester w/Pickup & 2-Row Head
NH Super 717 w/2 Row Head
JD FB77 Grain Drill
NI 324 & 327 (2 Row Pull Picker)
7 Tooth Soil Saver w/Coil Tines
300 Gal Sprayer with Roller pump
Vicon Wheel Rake (5 wheels)
14' Brillion Transport Harrow
(2) Int 990 Haybines, 9 ft cut
NH #56 Hay Rake
Int #35 Hay Rake

ITCO
Dealer for ITCO Corp
• Over 9,000 items At Discount Prices

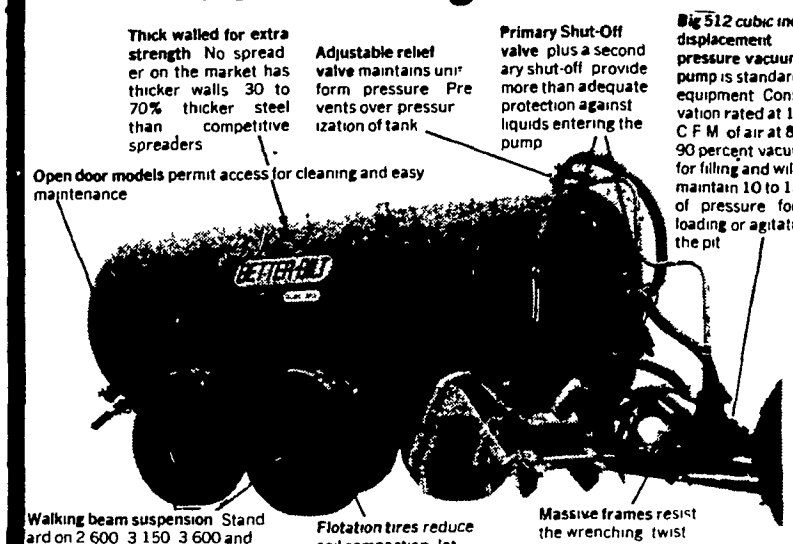
ALLIS CHALMERS
AVCO NEW IDEA
SPERRY NEW HOLLAND

SHARTLESVILLE FARM SERVICE
RD 1, Hamburg, PA
215-488-1025
H. Daniel Wenger, Prop.

BRICKERVILLE EQUIPMENT

SALES * SERVICE * PARTS
537 E. 28th Div. Hwy. Lititz, PA 17543
717-626-6198

Outstanding Features


Thick walled for extra strength No spreader on the market has thicker walls 30 to 70% thicker steel than competitive spreaders
Adjustable relief valve maintains uniform pressure Prevents over pressurization of tank
Primary Shut-Off valve plus a secondary shut-off provide more than adequate protection against liquids entering the pump
Big 512 cubic inch displacement pressure vacuum pump is standard equipment Conservation rated at 135 C F M of air at 85 to 90 percent vacuum for filling and will maintain 10 to 15 lbs of pressure for unloading or agitation in the pit
Open door models permit access for cleaning and easy maintenance
Walking beam suspension Standard on 2 600 3 150 3 600 and 4 600 gallon models (Optional on 1 500 & 2 100 gallon models) Front & rear wheels on each beam follow contour of the ground provides a smooth level ride
Flotation tires reduce soil compaction let you spread on soft ground early in season
Massive frames resist the wrenching twisting jolting shocks of hard field usage year after year

Sizes - 800 gal. thru 4600 gal.
Both vacuum & augermatic spreaders for truck mount or trailer type

SPECIAL
1 - USED BETTER BILT 2600 Gallon VACUUM SPREADER w/Tandem Axle and 4" Suction Hose, Plow Down Attach.

CALL US FOR YOUR NEEDS OF

• Farrowing Crates • Lagoon Pumps
• High Pressure Pumps

WF WOODS Division of Hesston Corporation SPERRY NEW HOLLAND

USED EQUIPMENT

TRACTORS
Oliver 1655

SPREADERS
NI 212 Spreader
NH 510 Spreader
NH 367 Tank Spreader, LH
NH 791 Spreader

FORAGE TOOLS
NH Super 717 w/1-Row
NH 717 Harvester w/1-Row
NH 880 R2-2-Row Head
IHC 16 w/1-Row & Pickup

HAYTOOLS
NH 268 Baler w/Thrower
NH 68 Baler
Oliver 620 Baler w/Thrower
JD 483 Mower Cond
NH 460 Haybine
NH 469 Haybine
Gehl 880 Mower Conditioner
MF 81 Mower Conditioner
Hesston 1090 Mower Conditioner

TILLAGE - PLANTING
White 5400 Planter
JD 1240 4-Row w/Monitor
Brillion 14' Transport Harrow

NEW EQUIPMENT IN STOCK

WHITE 2-30 2-Wheel Drive
WHITE 2-45, 2 & 4 Wheel Drive
WHITE 2-62, 2 & 4 Wheel Drive
WHITE 2-70 Tractor
WHITE 2-85 Tractor
WHITE 2-105 Tractor
WHITE 2-135 Tractor
WHITE 543, 4 & 6R Planter, No Till
WHITE 5100, 4 & 6R Planter, No Till
WHITE 254 10' 4" Disc
WHITE 348 SAR Plow
WHITE 508 SAR Plow
WHITE 466 Chisel Plow
WHITE 285 Field Cultivator
NH L425 Loader
NH 707, 718, 782, 892 Harvesters
NH 310, 311 & 315 Balers
NH 847 Round Baler
NH 80 & 90 Bale Movers
NH 488, 489 & 1495 Haybines
NH 256 & 258 Rakes
NH 38 Crop Chopper
NH 28 & 30 Blowers
NH No 8 Forage Box
NH 513, 519, 679 & 800 Spreaders
NH 367, 363 & 303 Tank Spreaders
NH TR75 Combine
KUBOTA - All Sizes In Stock
CAGLE Sprayer
BOBCAT 530, 642 & 743
TYE No Till Drill
GLENCOE 7' Soil Saver
MORRIDGE 275 Grain Dryer

KUBOTA® bobcat

NORMAN D. CLARK & SON
Honey Grove, PA 17035 - Phone 717-734-3682
Located 14 Miles South of Port Royal on Rt. 75

LANDIS BROS., INC

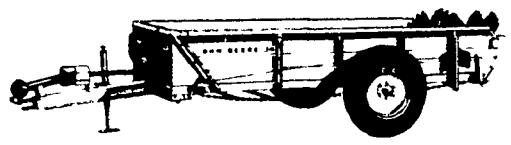
1305 Manheim Pike, Lancaster, PA 17601
Phone - 717-291-1046

JOHN DEERE DESIGN, DEPENDABILITY AND DEALERS MAKE THE DIFFERENCE

CHECK THESE SPECIALS

Call Right After 7 A.M.
For Information & Prices

NOW: Special Finance Waiver — NEW John Deere and Used Spreaders Finance Charges Waived To Oct. 1, 1982



New Spreader in Stock

Special prices, 465 Tank, and 680 Tandem Axle

Used Spreaders

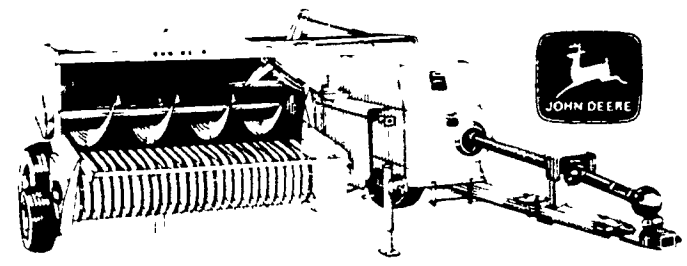
NI 206 Gr. drive
NI 214 Flail
NI 224 10 Ton w/Endgate
NI 218 - 8½ Ton w/Endgate

Used Disk Harrows

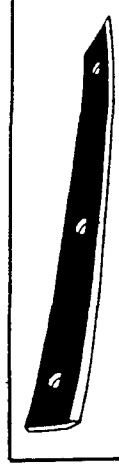
JD 210 12'10" 36 BL
JD AW 15'2" 44 BL
JD F930 15'30" 3 Pt. Roller Harrow
JD 310 - 12'10"
JD 111 - 10' 28BL
JD 110 - 11'4"

SPECIAL - USED COMBINES - JDFP FINANCE WAIVER UNTIL JAN. 1, 1983

JD 7700 w/14' plat.
JD 6600 hydro. w/13' flex plat. & 643-6RN head
JD 444 corn head
JD 4400 w/13' plat.



New John Deere 327 - 337 - 347 Balers w/Ejectors in stock for immediate delivery



Tune up your hay tools today. *We have the parts you need.*

We have a complete stock of replacement parts for mowers, mower-conditioners, rakes and balers. Check your equipment soon. Then see us for the John Deere replacement parts you need.

Used New Idea Uni-Equip.

702 dsl. power unit w/cab
705 dsl. power unit w/cab ± 67 super chopper
768 w/N3 row RC
769 flail mate
762 2R 30" RC
763 3R
725 3R Snapper
766 Hay Pick-up

Used Grain Drills

JD FB17 B Single Disk
Ontario 16 Disk w/GSA

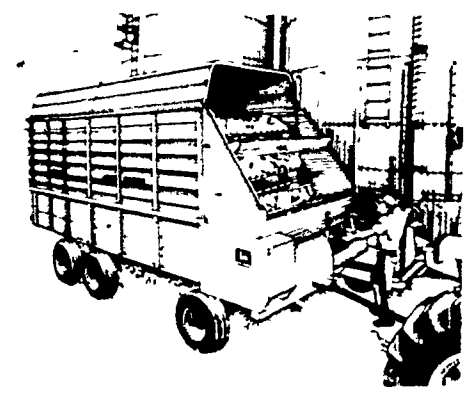
Used Mower Conditioners

JD 1209 - 9 ft.
Massey Ferg. - 9 ft. conditioner
Hesston PT10 ft. conditioner
New Idea 270 - 7 ft. cut/ditioner

SPECIAL - USED TRACTORS - JDFP FINANCE WAIVER UNTIL JAN. 1, 1983

JD 2640 RU dsl. w/146 loader
JD 4230 PS SG
JD 4230 quad. range SG
JD 2630 RU dsl. w/145 loader
JD 3020 dsl.
JD 1520 RU dsl.
JD 3010 dsl. RC
MF 65 dsl.
IHC 606 dsl. w/TA
JD 4020 PS WFE
JD 2010 RC
AC 5050 Dsl. w/Loader

Keep your operation rolling with our faster unloading speed



The John Deere 714A and 716A get you unloaded and back to the field in a hurry. Our top unloading speed is a fast 11.5 feet per minute to keep your operation rolling smoothly. With optional hydraulic controls, you can unload from the tractor seat. See the 593-cubic-foot 714A and the 677-cubic-foot 716A today.

In Stock For Immediate Delivery 716A w/1275 Wagon Gear

Used Moldboard Plows

JD 350 Semi-Mtd. 6B16" P/Reset
JD 350 Semi-Mtd 4B16" P/Reset
Ferguson 3 Pt. 2B 14

Fert. Spin Spreaders

New NI 119

Used Cultivators

JD RG430 4 row 30" Rear 3 PT

Used Forage Harvesters

JD 3800 PT w/2R - 30" RC
IHC - 830 PT N/3R 30" RC & hay Pickup w/Knife Sharpener
Fox 2000 w/elect. Knife Sharpener 2R - 50" & Hay P.U. Attach

NEW TRACTOR - SPECIAL PROMOTION $ AVAILABLE

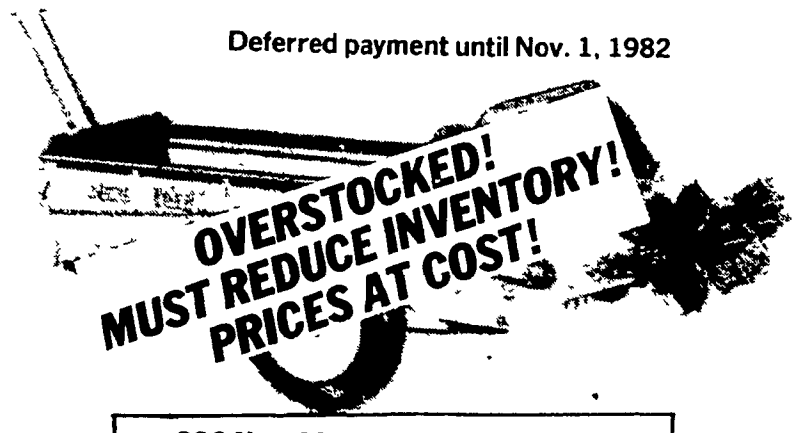
JD 4640 PS SG	JD 2640
JD 4240 Quad, SG	JD 2440
JD 4040 PS SG	JD 2240

USED LAWN & GARDEN TRACTORS

JD 111 - 11 HP w/38" Mower & Bagger
JD 110 - 10 HP w/46" Mower
NHS 12 - 12 HP w/48" Mower
JD 70 w/34" Mower

NEW IDEA 95 BU. GROUND DRIVEN SPREADERS

Deferred payment until Nov. 1, 1982



206 New Idea Spreader Available
With or Without Steel Wheels
With or Without Endgate Att.
For Shipment NOW Order Yours Today.

USED CORN PLANTERS

	Was	SALE
JD 7000 6 RN Cons dry fert insect, pop monitor	9295	8995
JD 7000 4 RW w/dry fert Insect Monitor	5895	5595
JD 7000 4 RN w/Dry Fert Insect Monitor	5895	5595
JD 1240 4 R Plateless w/Dry Fert, Insect	2150	1950
JD 1240 4 R Plateless w/Dry Fert Insect	2450	2250
JD 1240 4 R Plateless w/Liquid Fert Att Insect	1950	1750
JD 1250 6 RN w/Dry Fert Insect Monitor	2995	2695
JD 1240 4 R Plate Type Dry Fert Insect	1550	1400
JD 494A 4 R w/Dry Fert Insect	1450	1150
AC Model 500 4 R Fert Att	550	495

LANDIS BROS., INC.
1305 Manheim Pike, Lancaster, PA 17601
Phone -717-291-1046

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

$2,000 REBATE! On New MF 2000 Series Tractors

JUNE SPECIAL

MF 2705, 120 HP,
Serial # 9R012512

Reg. Price	$42,582.00
-Our Discount	8,582.00
- MF Rebate	2,000.00
= YOUR PRICE	$32,000.00

Offer good through July 2, 1982

Right now is the time for you to make your best deal with us on a new MF 2000 Series tractor Because right now you can get a big rebate check from Massey-Ferguson on any new 2000 Series tractor from 100 on up to 190 hp

PLUS REGULAR FINANCING!

In addition to your rebate you can finance your new 2000 Series tractor through Massey Ferguson at current rates if you qualify Or

CHOOSE THE 9% FINANCING OPTION!

Instead of a rebate and regular financing you may choose to finance at the special annual percentage rate of 9% for one full year It s a rate that s right for you!

Rebates or special financing are also available on other MF farm tractors combines and industrial tractors

SEE US FOR DETAILS ON OUR GREAT RATE/REBATE OFFER.

NEW MF 640 CORNPLANTER

Priced To Sell $4,995.00

Price Includes The Following Items:

- Adjustable row width 30" to 40"
- 4-row seed monitor with counter and tester
- (4) 35 lb. insecticide hoppers
- (2) 550 lb. fertilizer hoppers
- (4) 1¼ bu. corn hoppers

USED EQUIPMENT

Tractors

MF 285 Diesel w/multi-power, low hrs., 1977 ..... $15,500
MF 30B Diesel w/loader & cab, 1978 ..... $14,750
MF 175 Diesel w/multi-power..... $3,995
MH 44 Gas $975

Balers

MF #12 baler w/ thrower..... $1250

Harvesters

Gehl CB 1200 w/corn-head & hayhead.. $11,500
IH 830 w/cornhead & hayhead..... $7,900
N.H. 770 w/corn & hayhead..... $4,995

Mower Conditioner

Gehl Model 880, completely rebuilt $1,800

LEBANON VALLEY IMPLEMENT CO. INC.

Richland, PA PH: 717-866-7518

MF Massey Ferguson

VIEL ROCK PICKER

Shown below is Size No 60275 with 6' swath & 2¾" tine spacing. the 2 Mounting Brackets and Plates with arms are for a 4 cylinder loader (2 tilt cylinders).

RUGGED 1¼" SQUARE SPRING STEEL TINES

No need to rely on others to pick your rocks - just hookup your Front End Rock Picker anytime and do the work of 8-10 men

When you are finished just pull the pins or release your QUICK-TACH and set the rock picking assembly aside until you need it again

EXCLUSIVE FEATURES

MODEL EG ADAPTS TO ANY LOADER!

- All regular 4 cylinder loaders
- All QUICK-TACH Loaders
- Skid and Uni-Loaders
- Loaders with trips
- 3 cylinder loaders (1 tilt cylinder in center) require a 3rd Mounting Bracket, Plate & Arms

Attaches just like your bucket

Our Patented Brackets & Mounting Plates Clamp on any place on Cross Bar to be in line with your Loader Arms & Cylinders and DO NOT INTERFERE with tines or spacings

Backed by over 30 years experience manufacturing rock handling equipment

John J. Hoover, dealer
RD 1 Box 56, Clark Run Rd.
Blain, PA 17006 717-536-3597
No Sunday Sales

WENGER'S INC.

251 S Race St
Myerstown, PA 17067
Days 717-866-2135
Nights 717-866-7147
or 717-273-9089

CONSTRUCTION EQUIPMENT

FORKLIFTS

JD 2010	$5000
Int 340 - 14'	$5800
Yale 3000 Lb	$3500

BACKHOES

Long 3 pt Hoe-new	$4500
Long 5 in 1 w/cab	$15,900
3 Pt Backhoe	$2400
IH Hoe Attach	$1800
IH 3800 4WD w/Cab	$9500
McConnell 3 Pt Hoe w/pump	$2650
Ford 4500	$7500

SKID STEER LOADERS

Case 1740 Diesel	$6800
Case 1816 - 400 Hours	$3500

TRAILERS

1969 Great Dane 35 ton detachable	$14,750
New 2X 4 Ton	1350
New 3x6 Ton	$2000

MISC. CONSTRUCTION

(40) Used hoe buckets	From $150
(25) Loader buckets	From $95
(8) Set forklift forks	From $300
(6) Winches	Call
Adams Grader	$2000

CRAWLER LOADERS

Cat 941	$16,900
Cat 933	$8750
JD 350	$7500
Int 340	$3900

TRUCK TRACTOR

1974 Ford Louisville Diesel	$8650

LOG SKIDDER

JD 440A	$8750
JD 401B	$6750

CONSTRUCTION DUMPS

(2) 1974 IH & Ford Diesels w/9' Bodies - Air Brakes	$12,900

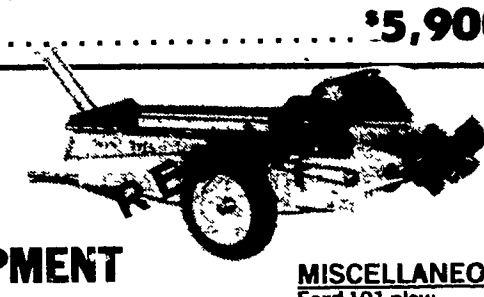
WE SALUTE OUR DAIRY FARMERS AND APPRECIATE YOUR PATRONAGE

WAIVER OF FINANCE ON USED TRACTORS TILL OCT. 1, 1982

JUNE SPECIALS — NEW & USED EQUIPMENT

- Used Case 1170 Tractor, Cab, 8 Speed, 120 H.P..... $12,500
- Used Case 1370 Tractor, Cab, Air, Heat, Power Shift..... $15,000
- Used '79 Case 1845 G Uniloader, 12x16.5 Tires, New Bucket, 1200 Hours $11,000
- Used '79 Case 1845D Uniloader, 12x16.5 Tires, New Bucket, 900 Hours $11,500
- Martin Model 1263 Scavenger, Demonstrator $6,300
- New Bush Hog 10 ft. Offset Disc $5,400
- New Bush Hog 12 ft. Offset Disc $6,300
- New Case 12 ft. Chisel Plow $1,800
- New Case 1816B Uniloader..... $5,900

206 GROUND DRIVE SPREADERS IN STOCK



USED EQUIPMENT

TRACTORS

Case 1170 Cab
Case 1070 D
IH 660 D
AC 7080 C-A-H
DB 1200 D
1845 G

NEW IDEA

206 Spreaders
325/314 Picker Sheller
329 Super Sheller
323 Picker, Clean

LOADERS

1530 Uniloader
Uniloader Broom
Case 1370 C-A-H
1845 D
Case 580 CK Diesel

UNI-SYSTEM

701 Power Unit
702G w/combine
767 harvester
762 row crop
730 4RW Head

FORAGE

Gehl 600 harvester
J D 65 blower
N.H 1880 SP
J D 216 forage box
J D 125 forage box
Stauffer forage box

MISCELLANEOUS

Ford 101 plow
Hesston PT 10
NH Lime Drill
NH 516 S Spreader
Case 12' Disc Harrow
Wetmore 878 grinder mixer
Gehl 120 grinder mixer

A.L. HERR & BRO.

PARK AVE., QUARRYVILLE, PA 17566 PHONE: 717-786-3521

case NEW IDEA GEHL BUSH-HOG

LONG WENGER'S INC.

OVER 100 TRACTORS SOLD THIS YEAR

251 SOUTH RACE STREET
MYERSTOWN, PA 17067

PHONE:
DAYS: 717-866-2135
NIGHTS: 717-866-7147
OR: 717-273-9089

TRACTORS

FARMALL TRACTORS

Cub w/Fast Hitch - Nice	$2000
C - Nice	$1650
1086 Cab - Air - Nice	$15,900
1086 ROPS - Nice	$13,700
1066 Cab Black Stripe	$13,900
856D WF - 3 Pt	$9250
100 Hydro w/Rops	$7950
Super M - Extra Nice	$1950
(2) 560D, Choice	$3500
F20 w/Loader - 1 Owner	$1000
Cub w/Cultivator	$2000
154 Cub w/3 Pt	$2275
240 w/FH	$1950
(2) BN w/Mower, Choice	$1275

JOHN DEERE

4430 Cab - Air - Syncro	$17,500
4430 Cab - Air - Quad	$14,900
4020 Cab - Nice	$9500
4520 - Nice	$9800
4320 ROPS - WTS	$11,000
4320	$11,500
4020 Powershift	$7800
5010	$6500
3020D	$5800
(2) 730D - WF - 3 Pt.	$3700 - $4200
620	$2500
2020D	$5500
2510 - Diesel - Nice	$6000
820 - 2 Cylinder	$2900
720 Gas	$2500

CASE

1370 - 20.8x38's	$9950
1070 Cab - PS	$7800
930CK - Cab - Nice	$6900
830 CK	$3500
870 Gas	$6950
VAC - Nice	$1450
1030	$4900
800 - Gas w/3 Pt	$1650

LONG

310 - New	$6900
310C - New	$6900
360	$4800
560 4 WD	$5350
610 4 WD - New	$11,900

FORD

2000 w/Mower	$3900
9600 DP - Wts	$8900
(2) NAA	$2500 & Up
8N - Extra Nice	$2750
600	$2750
800	$3000
8N	$2000
5000	$6900
9N	$1500

MASSEY FERGUSON TRACTORS

1105	$8800
175D - Nice	$6900
1130	$6500
135 - Nice	$4500
180 - Gas	$4850
50 - Diesel, nice	$4500
Pony w/Plow	$1375

4 WHEEL DRIVE TRACTORS

Oliver 1800 3 Pt. & PTO	$4900
White 4-180 - 3 Pt. & PTO	$16,500
IH 4166 - Nice - 3 Pt. & PTO	$12,950
Long 610 - New - 3 Pt. & PTO	$11,900
Long 560 - 3 Pt. & PTO	$5,350
MF 1805 - 3 Pt & PTO & Duals - Nice - Low Hours	$18,500

ALLIS CHALMERS

(2) D21 w/Cab - Nice	$7500
220	$7950
C	$950
G w/Plow & Cult	$2000
WD w/Picker	$2500
B w/Plow & Cult	$875
WC	$500

TRACTORS - MECHANICS SPECIALS

Farmall 806D	$3950
(3) Farmall 706	$3250 - $3750
Ford 800	$2000
JD R	$1600
JD 4020D	$5750
MF 35 w/Loader	$2500

OLIVER

1855 - Cab - 1700 Hrs.	$9950
1650D - Nice	$4950
2150 - New Paint	$6500
Super 88D	$1450
1550 Gas	$3450

NEXT AUCTION: MON. JUNE 7

DUMPS - FARM

1974 Ford Louisville 18 Omaha Dump w/Cattle Racks Diesel $13,950
68 Dodge Diesel w/16 Dump $5950

COMBINE CORN HEADS

NARROW ROW
IH 833-743-733 429-329
JD 643 443-343-434-334-313-335-243
AC 630-430-330
Oliver 703N-541-531
MF 63-43-33-421-321
NH 4x30 QT
Case 4x30-3x30
NI UNI - 3x30 - 4x30

WIDE ROW
IH 744-429-329-327-724-229-228-227-25-22
JD 434-334-234-210-205-10-344-244
AC 440-435-240-238
Oliver 544-531-522-512
MF 44-24-422-322-222-22-20
NH 2x40
Case 4x40-2x40
NI UNI 3x40-2x40

CORNPLANTERS

AC 770 4x No Til w/Monitor $2900
JD 1240 Plateless $2750
Ford 4X $1000
IH 2xFH - Nice $495
MF 2x 3 Pt. $850
JD 290 2x Pull $495
JD 2x 3 Pt - Like New $950
(2) JD 2x3 Pt. $695 & $795
AC 6x No Til $2900

CORNPICKERS & ATTACHMENTS

NI 325 (Late) w/12 Roll $6500
NI 325 w/8 Roll & Sheller $5500
NI 319 w/12 Roll $3000
NI 311 w/Sheller $1650
NI 323 $3000
12 Roll Bed For Pull $2850
Grinder For Pull $1675
Grinder For Mtd $750
Sheller For Pull $300-$1000
Sheller For Mtd $950
Super Sheller For Pull $1675
IH 234 Sheller Unit $950

NI UNI SYSTEMS

701 Tractor w/cab
727 Husking Bed
2x40 Cornhead
3x30 Cornhead
Combine
Grainhead
3x30 Chopper Head
Pickup Head
High Moisture Throat
2x40 Chopper Head
3x40 Corn Head
760 Chopper
4x30 Corn Head

COMBINES - $2000 CHOICE

(2) JD 40 w/Grain
(2) IH 203 w/Grain (1) Cab
AC E w/Grain & Cab
AC CII w/Grain & Cab
AC AII w/Grain & Cab
Case 960 w/Grain & Cab
IH 303 w/Grain & Cab

HARVESTERS

(3) N H Super 717 w/2x40 or 1X $2250
NH 707 3 pt - 1x $1650
NH 890 - Long Tounge $3800
JD 38 $750
IH 555 $750
Gehl 300 w/2x30 $1000
AC 720 w/2x30 $1450
JD 3 pt 1X - demo $2500
(100) EXTRA HEADS - ALL KINDS LARGEST SELECTION IN USA - CALL

SPECIAL MENTION
JD 7700D $9500
JD 6600 D Combine $7500
FIRE DAMAGED WILL SELL COMPLETE OR ENGINE ONLY -

1980 CHEVY DIESEL PICKUP

25,000 Miles, Silverado, Air, Power Windows & Door Locks, Tilt Wheel, All Options - 30 In All
$7995.00
CHOICE of 3 TRUCKS ALL NICE

SHOES ★ SHOES

MOSTLY LADIES, A LOT OF CHILDRENS, SOME MENS

6 Pairs for
$24.95
SPECIAL PRICES BY 1000 PAIR LOTS

$1.00 PER PAIR IF YOU TAKE ALL

ROTARY MOWERS

4 3 pt Woods	$695
Mott For Cub	$595
8 Pull	$875
Long Belly Mtd	$875
MH Pony	$295
Ford 3 Pt Flail	$695
IH for Cub	$395
Terrain King 15 Wing	$1675
JD 5 3 Pt	$495
7 Pull New	$1795
6'3 Pt	$475
Woods 5 Belly Mtd For Super A	$750

DISC'S (MOST EXCELLENT)

IH 18 Wing	$3900
IH 25' Wing	$3900
IH Cub	$250 & Up
Long 10 Offset	$3900
Wilbeck 12 Offset	$4500
IH 6 FH	$685
(16) Wheel Disc's 8' to 15	Up to $1975

(2) MM 1200 Cornsheller Good Cond. - PTO
$3800 - $4500

CHISEL PLOWS

7' 3 pt New	$1095
11' 3 pt	$1275
15' 3 pt	$1495
4 Shank 3 pt - Big	$875
19' 3 pt	$2000
13' 3 pt	$1475

MANURE SPREADERS

NH 676 Tandem	$2850
IH Cub	$650 Ave
(2) NI 14A	$1000
NH Tank	$1500
NI PTO	$695

LOTS MORE CALL

POTATO EQUIP.

JD 2x Planter	$500
1x Potato Plow	$150
2x PTO Digger	$750
1x Potato Planter	$395
1x Potato Digger	$395

MISC. MACHINERY

NH Hopper Blower	$495
JD FBB 17 Drill	$1850
IH #10 16 Disc Drill	$1800
Corn Drags	$400
Brady 4x Stalk Chopper	$1350
Side Dressers	Call
Spike Harrows	Call
Spring Harrows	Call
Lely 13 Roterra	$2500
Belt Elevator (New) w/engine	$750
Knoble 14' Wing Harrow - 3 Pt	$895
Waldon 10 Blade	$2500
Nesseth P T O Manure Pump	$3500
(2) Hammermills	$395
NH Table Blower	$395
16" Aluminum Elevator	$200
Howard M100 Rotovator	$2850

DUALS - 25 SET ON STOCK ALL KINDS & SIZES - CALL

CHUCK WAGONS

EZ 16' 3 Beater - Roof - No Gear	$2500
JD 214	$1850
Lamco 16' 3 Beater & Roof - No Gear	$2350
(2) JD 216 w/Roof & 3 Beater	$2200

CABS (NEW & USED)

MF 275-285 New	$2250
MF 1150 New	$2250
MF 1085-1155 New	$2250
Ford 8000-9600 New	$2250
Ford 5000-7000 New	$2250
Case 930-1030 New	$2000
IH Factory Used	$1650
IH 06-56 Series Used	$800
AC E Combine New	$1250
IH 403 Combine w/Air	$1250
AC A E CII Cabs	$850
IH 203 Cab	$850
NI 701 Uni Cab	$850
Case 960 Combine	$850
Cooler Unit New	$500
IH 303 Cab	$850
Rollbars	Call

"EXTRA CLEAN COMBINES"

IH 315 w/Cab	$7000
JD 55 w/Cab	$4500
Case 660 w/Cab	$4500

NEW SPECIALS

6 3 Pt Stone Rakes	$495
8 3 Pt Blade Heavy	$695
4 Landscape Box	$375
5 Landscape Box	$400
7 Landscape Box	$500
165 Bu Gravity Bin	$450
1200 Bu Corn Cribs	$795
6 3 Pt Disc s	$495
10' 3 Pt Spike Harrow	$495
14 3 Pt Spike Harrow	$595
5 3 Pt Rotary	$495
5 Pull Rotary	$695
6 3 Pt Rotary	$695
6 Pull Rotary	$795
3 Pt Fert Seeders	$395
8 Ton Wagons	$550
10 Ton Wagons	$625
12 Ton Wagons	$975
Round Bale Feeders	$145
3 Pt Boom Poles	$49
Utility Trailer	$495
3 Pt PTO Woodsaws	$875
Post Hole Digger	$495

CULTIVATORS

JD 8x3 Pt	$850
JD 4x3 Pt	$850 & Up
IH 4x3 Pt	$950 & Up
MF 4x3 Pt	$1250
(40) 1X & 2X on Stock	

CORNSHELLERS

MM D PTO	$795
JD 43 PTO	$200-$500
MM 1200 PTO	$4500
MM D Belt	$495
MM 1200 PTO	$3800
JD 6	$1850

CULTIMULCHERS & PACKERS

2 Dunham 12' Mulcher	$695 & $2250
Dunham 10 Mulcher	$2250
Dunham 16 Mulcher	$2500
Bearcat 12 Mulcher	$2700

FEED MILLS

NH 354	$3850
NH 352	$1975
Gehl	$1500

PLOWS - OVER 50 ON STOCK

AC 1x-2x-3x-4x
Ford 1x-2x-3x
MF 5x Reset
JD 1x-2x 3x-4x-5x 6x
Oliver 3x & 3x Rollover
JD 4x Reset
IH 1x-2x-3x-4x 5x-6x 7x
IH 5x & 6x Reset
IH 2x & 1X Rollover

HAY EQUIPMENT

Hesston 10W Stack Movers	$650-$850
JD 200 Stack Mover	$2500
Hesston 30 Stack Mover	$2500
3 pt Hay Rakes	$595
NH 258 Rake	$1250
NH 479 Haybine	$2950
Hesston PT10 Haybine	$950
Mayrath 32 Elevator	$895
Zimmerman 32 Elevator	$1295
Feeder Wagon	$695
NH 66 Baler	$800
Case 230 Baler	$950
NH 68 Baler	$600
(12) Sickle Bar Mowers	Call
Hesston PT 7 New	$3650

SKID STEER LOADERS

Case 1740 Diesel	$6800
Case 1816 400 Hours	$3500

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Round Steel Hay Rack with bottom for 18 head for hay, grain, silage, round or square bales. $220 and on stock.

Hay Rack and Feed Bunk Combination. Built on skids for easy towing. 8', 12', & 16' on stock. Also available trailer type.

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Dealers Welcome

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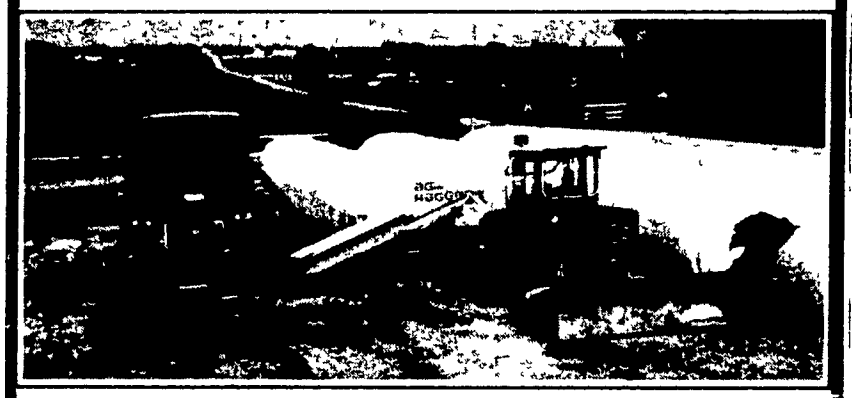
DAIRYMEN

★ We Salute You ★

June is dairy month

AG-BAG THE AFFORDABLE SYSTEM



10 REASONS WHY YOU SHOULD BUY AN AG-BAGGER

1. Inexpensive oxygen free system.
2. Unlimited capacity of storage.
3. Storage for dairy, beef and hogs.
4. Storage for all forage and grains.
5. Storage for high moisture corn.
6. No loss of vitamins, minerals and proteins.
7. No freezing and no heating of crops.
8. Storage system adapts to ALL sizes of Farms.
9. Dependable - Low Maintenance - Easy Operation.
10. Machine is easily transportable.

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FARM EQUIPMENT

Badger — JOHN DEERE — HESSTON FARM EQUIPMENT

USED EQUIPMENT

TRACTORS
JD 2640 w/340 Hrs
JD 2440 w/800 Hrs
JD 3020 D w/WF
JD 1010-D Crawler w/Blade
MF 65 Gas w/3 Pt

HAY EQUIPMENT
NH Mower Cond
JD 350 Rake
IH #14 Rake
JD 346 Baler
MF 12 w/Thrower
Oliver 620 w/Thrower

CORN PLANTERS
IH 400 Cyclo 6 Row "Sharp"
JD 7000 4 Row W
IH 400 Cyclo 4 Row
JD 490 4 Row

HARVESTER
NH 717 w/2 Row Head
NH 880 w/Pickup
JD #15 Flail

MAY SPECIAL
Hesston 1070 Mower Cond.
$4500.00
Hesston 2000-100 Harvester w/Pickup
$7,000.00

JD 125 Skid Loader Gas	12,500.00
JD 1710 11' Mulch Tiller	$5,500.00
JD 1010 15' Field Cultivator	$1995.00
Landoll 7 Shank Soilmaster	$5150.00
Little Giant 42' Elevator No Motor	$1900.00
JD 465 Manure Spreader (Demo)	$3750.00
Taylor 7 Shank Chisel Plow	$1500.00

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FARM EQUIPMENT

JOHN DEERE

NEW MACHINERY

2440
2940
2940 MFWD (Call For Special Low Price)
4440 SGQR
2700 4 BTM Plow (Reg. $9070.00, Special ~~$7470.00~~ $6700.00)
215 12'10" Cushion Gang (Reg. $7563, Special $5500)
315 12'2" Disk
950 12' Roller Harrow (Reg. $5730.00, Special ~~$4430.00~~, $4000.00)
12' Lever Harrow (Reg. 1302.00 Special 1000.00)
RM4 Cultivators (Reg. 2966.00 Special 2100.00)
215 Grain Platform
1209 Windrower
660 Rake
350 7' 3 Pt. Mowers
337 Baler
3960 Harvester w/Any Heads
5720 Harvester w/Any Heads
27 Flail Shredder
7000 Conservation Planters 4R & 6R Dry or Liquid

USED MACHINERY

JD 2240 w/146 Loader (1200 hrs.)	$12000.00
JD 170 Skid Loader	$4500.00
3 - 1440 Planters No-Till From	$3200.00-$4000.00
3800 Harvester w/2 R head & pickup	$4000.00
800 Windrower	$3500.00
16A Flail Chopper	$1600.00
694A Plate Planter	$750.00
336 Baler w/30 Ejector	$3800.00
JD Quick Tach 15' Grain Head	$3000.00

SMITH'S IMPLEMENTS, INC.
12258 BUCHANAN TRAIL WEST
MERCERSBURG, PA. 17236
717-328-2244 or 328-2226

The Vicon KM-240 cuts and conditions the tallest, tangled, wettest, heaviest, hay This new mower-conditioner eliminates a pick-up reel, so you can put up more hay - FASTER. With a working width of 7'10", it can mow twice as much area in a day as most competitive models. Most competitors use a pick-up reel, which limits ground speed, adds maintenance problems and allows leaf loss

The Vicon six-disc cutter bar feeds your crop directly, stem first, into rubber rollers that condition green hay or wet grass It dries faster and bales easier, saving time and labor

The KM-240 has no chains, no belts, no sickle bar If you need only a mower, look at the Vicon CM-165 (4 discs-5½' working width) or the CM-240 6 discs-7'10" working width). Both make clean cuts in heavy grass or tangled crops

See at TRIPLE H EQUIPMENT or RED WING FARMS or Ask For a Free Demonstration
New Special Cash Discounts on all Vicon Equipment
Mowers — Rakes — Power Harrows — Seeders — Round Balers

Triple H Equipment
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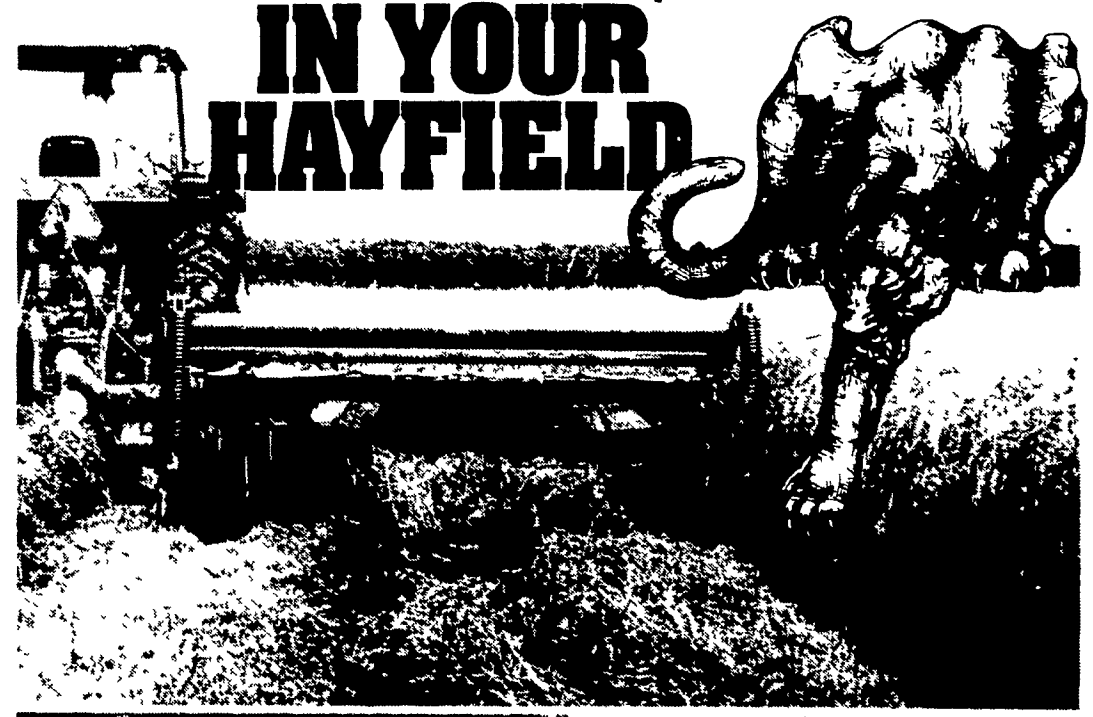
Vicon

Red Wing Farms
RD 1378, Fleetwood, PA
215-944-0791

TURN A VICON LOOSE IN YOUR HAYFIELD



CM 165

CM 240

FARM EQUIPMENT FARM EQUIPMENT FARM EQUIPMENT

AVCO NEW IDEA

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Sat. 7:30 A M - 12:30 P M

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BRANCH
Lobachsville, Oley, PA
(215) 987-6221 or 987-6257
Mon.-Fri 7 30 A M - 5 00 P M
Sat. 7 30 A M - 12 30 P M

TRACTORS
JD 3020 D
(2) JD 60
Farmall 656 D
Farmall 560 D
Farmall 400
Farmall 460 D
Farmall H
MF 1100 D
MF 180 D w/loader
MF 180 D
MF 50
White 2-50 D
Oliver 1850 D
Oliver 550
Oliver 55 D
Ford 800
Ford 8N
Case 630 w/loader
Case 300
AC 7050 w/cab
AC 7040 PS, w/cab
AC 7020 PS, w/cab
AC 190XT D w/cab
AC 185 D
AC 180 D
AC 175 D
AC 5040 D
AC D19
AC WD45
AC WD

HAY EQUIPMENT
NH 1469 Haybine w/cab
NH 1469 Haybine
Hesston 110 Mower Conditioner
Hesston 1010 Mower Conditioner
AC 904 Mower Conditioner
AC 390 Mower Conditioner
NI 279 Cut/ditioner
MC 9' Scythe
NH 479 Haybine
JD 640 Rake
AC 303 Baler
NH 68 Baler
IH 440 Baler w/Thrower
IH 46 Baler

FIELD HARVESTERS
AC 720 2-row & pick up
NH 880 2-row & pick up
NH 717 1-row & pick up
NH 717 2-row & pick up
IH 350 1-row & pick up
Gehl 1-row & pick up
Gehl 6' Flail
NH 33 5' Flail

SPECIAL PRICES on USED COMBINES
"Must make room for new inventory!"

COMBINES
Gleaner N5 w/15' floating grain & 630 corn heads.
Gleaner MKS w/13' grain & 630 corn heads
Gleaner F2 w/13' grain & 438 corn heads
Gleaner FKS w/grain & corn heads
Gleaner G w/13' floating grain & 430 corn heads
Gleaner CII w/13' grain & 438 corn heads
Gleaner AII w/cab & both heads
Gleaner AII w/12' grain head
(2) Gleaner E w/cab & both heads
Gleaner EIII w/cab & both heads
JD 55 Super w/cab, 12' grain & 330 corn heads
JD 55 w/12' grain & 338 corn heads
JD 45 w/both heads
JD 45 w/grain head
JD 40 w/grain & 2-row corn heads
MF 300 w/11' grain & 238 corn heads
MF 82 w/grain & corn heads
NH 975 w/11' grain & 238 corn heads
IH 203 w/grain & corn heads
NI Uni-System 714 w/717 combine, 4-row corn head

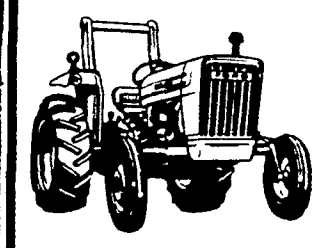
NEW MACHINERY SALE

	List	CASH
AC 600 4-row Air Champ Planter	$8,000.00	$5,975.00
AC 600 6-row Air Champ Planter	11,000.00	8,900.00
Hanson 200 gal., 3 pt Sprayer	1,200.00	995.00
Hanson 200 gal., pull type Sprayer	1,770.00	1,575.00
Hanson 300 gal., pull type Sprayer	2,300.00	1,900.00
NI 299 9' Mo/ditioner	6,975.00	4,900.00
NI 299 DEMO Mo/ditioner	6,975.00	3,900.00
NI 272 Cut/ditioner	5,875.00	3,975.00
NI 279 Cut/ditioner	7,285.00	5,850.00

NEW HOLLAND

BROOKS FORD TRACTOR, INC.

FORD CLEARANCE SPECIALS

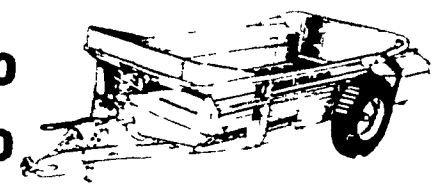


(While They Last)
1981 FORD 3600
(40 H.P.) No Trade — $10,200

Model 131, 10 tooth chisel plow — $2,500

NEW HOLLAND SPECIALS

Lease Returns (1) 513 Spreader 2 Beater — $3,000



Model L35 Skid Steer Loader — $13,500

L425 Skid Steer Loader — $10,500

847 Round Baler — $8,000

495 Mower Conditioner — $9,000

329 Box Spreader — $2,750

310 Baler — $6,900

GOOD USED EQUIPMENT

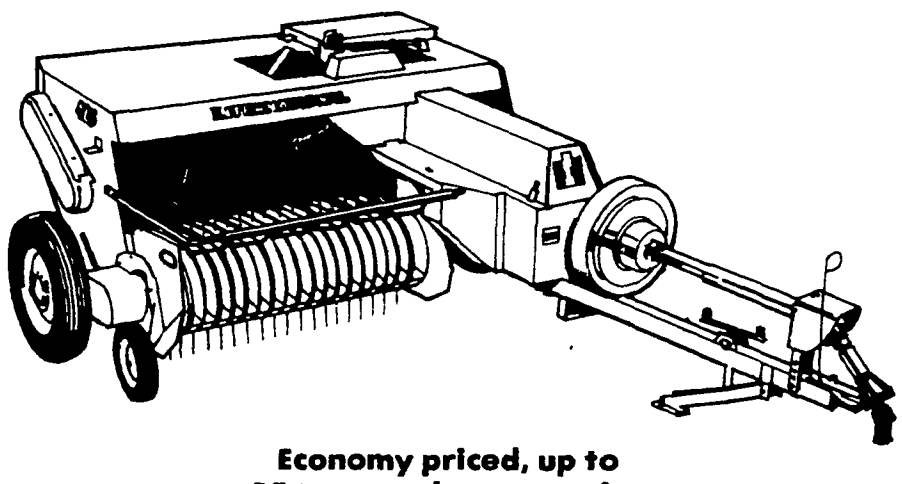
Mower Conditioner	Owatonna 208	Baler	NH 273
Mower Conditioner	AC 390	Crusher	NH 404
Mower Conditioner	NH 479	Forage Wagons	NH 7
Flail Chopper	NH 33	Forage Wagons	NH 8
Forage Harvester	NH 782	Box Spreader	IH
Tank Spreader.	Hawk Bilt		

BROOKS FORD TRACTOR, INC.

West College Avenue
Pleasant Gap, PA 16823
PH: 814-359-2751

TIME TO MAKE HAY WITH NEW IH HAY MACHINES

International® 425 Baler

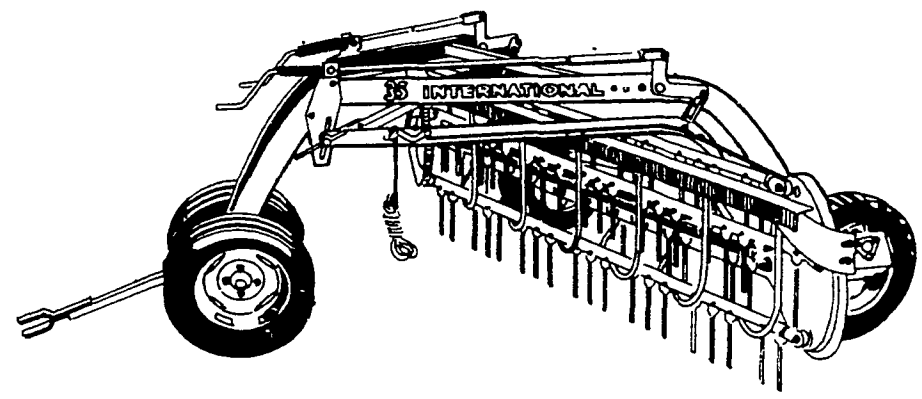


Economy priced, up to 15 tons per hour capacity

The new 425 is an economy baler with many of the same proven performance features found on other International 400 Series balers It does an excellent job in most crops and conditions and is an ideal choice for farmers with average, moderate capacity baling requirements Up to 15 tons per hour capacity.

- 61-in 4-bar pickup with 76 teeth sweeps the windrow clean
- 4,800 lbs of force behind the plunger for uniform, tightly packed bales
- Dependable Deering-type knotters tie strong secure knots
- Heavy duty drive train and 2-knuckle PTO. 3-knuckle PTO optional

International® 35 Parallel Bar Rake



Get the best in gentle, high-capacity raking

Keep tight control over cost and quality with the 35 rake Not only do you get clean raking at the right speed but also the action to handle any crop from rank hay or thick sorghum to easily damaged beans One major reason Teeth are triple-grouped rather than doubled so they work like a fine-tooth comb—and they re rubber-mounted for flexibility and longer working life

- Rakes a 9-ft swath
- Hydraulic drive tedds or rakes
- Offset wheels are right behind basket for best work in uneven ground
- Built-in provision for adding fifth tooth bar 5-tooth grouping
- Dolly wheel attachment helps prevent tooth "dig in" over extra rough fields (Available with dolly wheels or jack)

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FINANCE PLANS AVAILABLE

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FARM EQUIPMENT

bobcat

USED EQUIPMENT

Tractors
Farmall H
Farmall M
Farmall 856D
F986D
IH F766 D
IH F886D
IH F1256
IH Hydro 186
IH I2424 w/Loader
IH 3200 Skid Loader
JD "B" w/cult.
MF 65 Gas
MF 255
Bobcat 520 Skid Loader

Plows
IH 700 6F Auto Reset
IH No 8 Trailing
IH 412
3F Trailing Plow
MF 3F 3 pt Plow
MF 5F 14" Mounted
JD 3 pt 3F Plow
Ford 3F 14" 3 pt
Ford 5F 18"

Tillage
IH 24 Offset Disc
IH 122 Mtd Disc Harrow
IH 4500 V S 12 Ft
Lely Power Harrow
JD KBA Disc
Dunham 10' Cultimulcher

Planters & Drills
IH 449 Planter
IH 500 Planter, 6 Row
Pittsburgh 4 Row 3-pt Cultivator
IH 400 Cyclo 4 Row
JD 494 Planter
JD 1240, 4-Row
JD 15x7 Drill
JD FB 177B Drill, 17x7
JD 1250 Planter
MF 468 4-R Planter
Ontario 13x7 Drill
Oliver 17x7 Drill

Hay Machines
IH 430 Baler
IH 46 Baler w/Thrower
IH 10 Bale Thrower
IH 27V Mower
IH 115 Mower
IH Cub 222 Mower
IH 990 9 Ft. Mower Conditioner
M.C. Rotary Scythe
Kubota 60" Mower
JD 660 Rake
JD Hay Tedder
Myers Hay Crusher
NI Mower
NI Hay Conditioner
NH 67 Baler
JD 214 Baler

Combines & Cornheads
IH 127
IH 403 Combine
IH 815D Combine
IH 810 15' Grain Head
IH 227 Corn Head
IH 429 Corn Head
IH 743 Corn Head
IH 844 Corn Head

Pickers
IH 2 ME
IH 2 MHD
NI 2-Row Mounted
NI No 10 Cornpicker
NI 323 1-Row

Forage Equipment
IH 16 Harvester w/2 Heads
IH 350 FH
IH 550 Harvester w/2 Heads
IH 650 Forage Harvester
IH 50 w/PTO Drive
IH 2 Row Wide Row Crop Units
IH 2-Row Snapper Head For Forage Harvester
JD 6 Harvester
JD 34 Harvester w/2 Heads
JD 16A Flail Chopper
JD Forage Box
IH 5 Flail Chopper
IH Hay Pickup 550/650
IH Hay Pickup 350
IH Direct Cut 350
AC 780 Harvester
Fox 546 Harvester
Fox S P Harvester
NH 717
IH 42 Blower
NH 23 Blower
NH 25 Blower
Kools Blower
Gehl FB99 Blower

Lawn & Garden
IH 125 Cadet Mower
IH Cadet 60 Riding Mower
IH Cadet 70 Tractor
IH 80 Lawn Tractor
IH 81 Lawn Tractor
IH 1450 Cadet with Mower
Haban Sickle Mower
NI EGT 100 Electric
MF 16 Tract. w/Mower
Snow Blowers
E.Z Lawn Vac.
AMF 10 HP Rider
Bolens G10 w/Mower

Miscellaneous
Surge 15KW Alternator
IH 20 Loader For Super C
NI 17A Spreader
NI 213 Spreader
NI 214 Spreader
Martin 2400 Gal Spreader
Waldron Dozer Blade w/IH or JD Mountings
GT 370 Grain Dryer
NH 346 Tank Spreader
Winco 1500 Generator
Kubota 3 pt Backhoe
Cordwood Saw
Danuser 8 Ft Blade 3 pt
Uebler Feed Cart
IH 300 Mixer Wagon

This Week's Special
KUBOTA MODEL K650
3 PT. HITCH BACKHOE
• Includes Hydraulic Pump, Excellent Condition

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Area Codes 215 & 717
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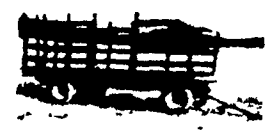
FARM EQUIPMENT

NI 224 spreader, priced right @ $3000
NH #36 flail chopper, good, knives not turned
IH 56 2R no-till planter
IH 990 mower cond. - 9 ft. - nice
IH 1215 hydrostatic cub cadet
Call

M&R Equipment
717-993-2511



New - All Oak Bale Wagon Racks SOLD
16'L, 8'W, 7'H, $440
16' oak wagon beds, $170
16' tongue & groove wagon beds, $180
6 ton wagon gears, used tires SOLD
8 ton wagon gear, 8" rims, SOLD tires, $495

While Supplies Last
Ivan Z. Hoover
RD2, Ephrata, PA
717-733-6825

New Equipment Specials...

AMCO Disk	$4495
Landoll 7 Tooth Chisel Plow	$1500
1,000 Lb. Pressure Washer	$815
Century 295 AMP Welder, AC-DC (Demo)	$639
8 Ton Wagon Gear	$560
3 Pt Backhoe	Call For Price!
Oliver 5 Bot. Semi-Mtd Cushion Trip Plow (used)	$895

MARTIN HARDWARE & EQUIPMENT CO.
1½ M. south of Schaefferstown, Pa. on Rt. 501
Phone 717-949-6817
Open Mon-Fri 8 to 8, Wed 8 to 12, Sat 8 to 5

Harvest Time SPECIAL VALUES
on these harvesting machines

SHORT-KNIFE CUTTERHEAD

Time-Mizer self-propelleds feature an exclusive 40-knife cutterhead

Get the latest in self-propelled forage harvester technology with a 210-hp 5720 or 275-hp 5820 Timer-Mizer self-propelled

Their time-saving design starts with the Dura-Drum™ cutterhead 40 segmented knives on a 24-inch-diameter drum These knives tend to slide back and avoid damage if they hit an obstruction

The quick-adjustment stationary knife and built-in knife sharpener let you do needed adjustments in minutes Let us show you all the advantages of Time-Mizer self-propelleds real soon

JOHN DEERE

Our baler line builds solid, stackable bales

To build solid square-cornered bales consistently you need consistent control of the hay And John Deere s 327 337 and 347 Balers give that control from the moment hay touches the pickup

We added two extra rows of teeth to help you take in all the hay in today s wider windrows The 337 and 347 have 156 teeth The 327 has 88 There s even a compressor that floats right with the pickup to give you consistent compression as you go over bumps and dips

Next our floating tapered auger and adjustable feeder forks take over to keep material flowing evenly Consistent control continues right up to the time our new knotter puts the finishing touch on the solid bales

Stop by today and start making solid stackable bales with John Deere s solid 14 x 18 balers

---

The management of Oxford Greenline would like to announce for the convenience of our customers the stocking of mower knives, mower conditioner knives, bushings, knife sections and rake teeth for all Sperry-New Holland Equipment. Call 215-932-2753 for our special low prices.

OXFORD GREENLINE INC.

YOUR JOHN DEERE HAY TOOL SPECIALIST

HOURS:
7:30 AM - 5:00 PM thru Fri.
7:30 AM - 12:00 PM Sat.

RD 1, Oxford, PA

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215-932-2754

PACE

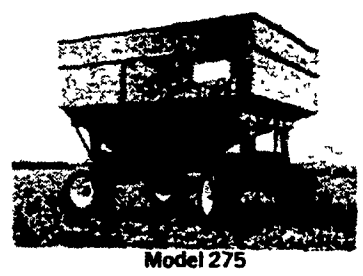
LOOK AT OUR GOOD SELECTION OF TRADE-IN USED TRACTORS

Interest Free Financing Till Oct. 1, 1982
First Monthly Payment Due Nov. 1, 1982
or
Quarterly, Semi-Annual, Annual Repayment Plans available

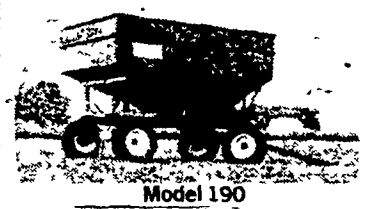
- 1980 Model IH 1086, CAH, 20 8x38, 900 Hrs., loaded, like new
- John Deere 5020 Diesel, rebuilt engine with duals
- 1980 Deutz Model 4506 Diesel, approx 650 Hrs., like new
- Farmall 706 Tri Diesel, 3 pt hitch
- 1970 Ford 4000 Diesel, 38" rubber
- Case 2290, canopy, standard shift, like new
- Case 4 wheel drive 4490, CAH, P shift, crab steering, loaded
- Case 2090 CAH, P shift, approx 1200 hrs
- 1974 Model Case 990 Diesel, approx 53 HP
- David Brown 1200 Diesel, approx 65 HP new paint
- Case David Brown 995 Diesel, 58 HP Rating
- Case 4 Wheel Drive 2870, 300 HP CAH, crab steering
- Case David Brown 1410 Diesel, standard shift, 80 HP
- Case 930 Comfort King Diesel, approx 90 HP
- M F Model 275 Diesel with 15 5x38 rear tires, approx 1300 hrs., excellent
- IH Model 3616 6 cylinder Diesel, 16' loader backhoe, with cab heater, nice
- IH 806 Diesel, wide front turbo needs TA, 2 post canopy
- Case DC with live PTO Eagle Hitch, belt pulley
- Case 830 Case-O-Matic wide front, gas, Eagle hitch
- Case 1070 Cab with duals, turbo, nice, ready to go
- IH 1466, CAH, 60% rubber
- 1978 IH 1086 Canopy tractor needs TA approx 1300 hrs

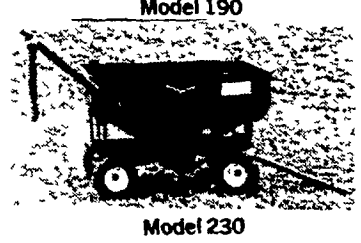
SMALL GRAIN HARVEST IS COMING SOON
NEED A GRAVITY FLOW BIN WAGON?
GO WITH THE #1...
McCurdy
the Old Reliable

- ★ Before You Buy, Check With Us.
- ★ Most Sizes In Stock For Quick Service And Availability
- ★ We Sell In volume


Model 275

Model 375
Double Door Side Dump


Model 190


Model 230

Get the McCurdy Short Turn Radius Wagon with no stops to bend your hitch. Tested and designed for Gravity Bin use. "The unmatchable Pair"

In Stock with adjustable quick hitch. Your choice of wheel width 6", 8", 10"
Price is less tires.

8 Ton $589
10 Ton $690
10 Ton Tandem $998

Do you have down tangled hay that needs to be mowed? This is your answer. Seeing is believing.

Are You A Buyer?

We Will Demonstrate

Cut, condition and windrow up to 7' 10" in even the heaviest crops with this model 1080 disc mower-conditioner from Gehl. Six counter-rotating, three-knife discs slice through your crop at up to 54,000 cuts per minute, leaving your fields cut short, smooth. The new 1080 features intermeshing rolls that aggressively grab the crop, yet gently condition it to speed drying and reduce leaf loss. Stop in today to see the high speed, efficient 1080 disc mower-conditioner in action!

GEHL®
FARM EQUIPMENT

In Stock,
See Us Now!
No Interest Financing
till Sept. 1, 1982

Speed King Hi-Angle Augers...

Barley and Wheat Harvest is coming! And Binkley and Hurst Bros. has come through again.

We are coming with a tremendous Truckload Special on NEW slightly weathered Speed-King Transport Grain Augers.

Almost all sizes in stock, from 6x27 to 10x71.
Example - 8x53 w/hopper & 3' downspout PTO or electric.
Your Special Price...Only $1908.00

Plus extra discounts if you setup and tow away Now!

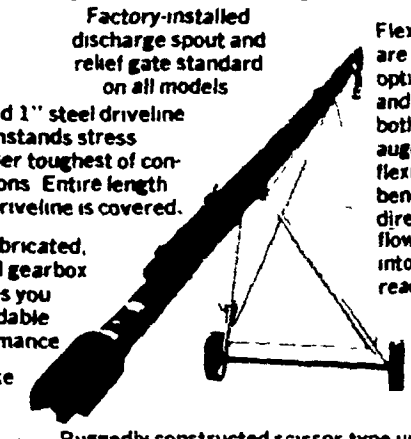
Stop that bagging and shoveling and speed your grain away with a Speed-King grain auger from Binkley & Hurst Bros.

Factory-installed discharge spout and relief gate standard on all models

Solid 1" steel driveline withstands stress under toughest of conditions Entire length of driveline is covered.

Pre-lubricated, sealed gearbox assures you dependable performance

Heavy-duty intake flighting to give added life. Wire screen cage provides protection



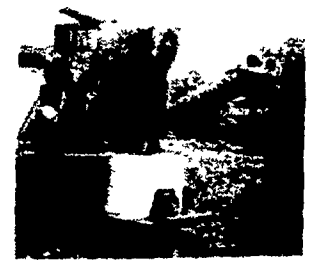
Flex tubes are available optional in 3', 5' and 8' lengths for both 6" and 8" augers Total flexibility allows bending in any direction to funnel flow of grain into hard-to-reach places

Ruggedly constructed scissor type undercarriage "tucks away" to get in close to bins for maximum reach Trussed axle arms for strength and stability at any angle

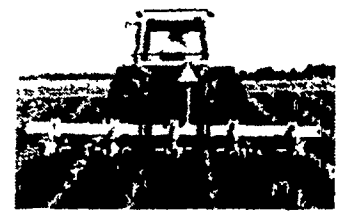
We Rent Skid Loaders All Sizes - Right Now
We Have Eight Machines In Our Rental Fleet

Buy One Of These Used Machines & Save!!

(3) Case 1830 (1) Case 1845 Diesel (1) Gehl 4600 Diesel
(1) Case 1816 (1) Gehl 4500 (1) Case 1835 Diesel



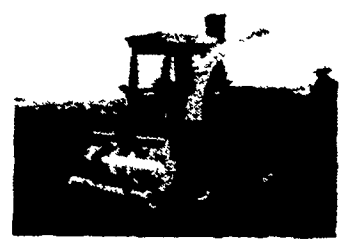
NEW HOLLAND MODEL 357
Grinder Mixer with 21" Mill, Unloading Auger, Extension, 125 Bu. Mixer, Never Used Much - Like New



Danish Tine High Speed Row Crop 3 pt. Hitch Cultivators In Stock:

Adjustable 4 row Dunham Lehr	$1,573
Farm Hand 4 row adjustable	$1,500
Kelly 5 row adjustable	$1,600

Looking For A Good, Clean, Used, Self-Propelled Forage Harvester? We Have It!



Field Queen Forage Harvester 3160 V8, Cat. Diesel, Hydrostatic Drive, 7 ft. Hay Head & Corn Head. Ready For Your Field.

$16,950
Excellent Financing Terms

HAY MOVERS SPECIALS

Little Giant Model 21

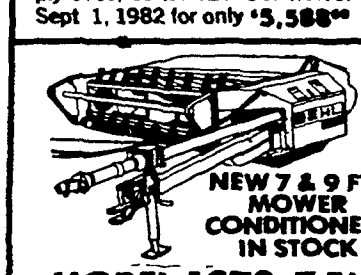
High Capacity Portable Elevators For All Crops

In Stock, Set Up With Shovel Hopper, Motor Mount, Will Handle Hay Bales and Corn
34 FT Length.

$1,855
Plus additional 10% OFF for buying early

GEHL DEPENDABLE GEHL BOXES

The 940 self unloading forage box from Gehl delivers material to your blower fast, with smooth continuous flow Worm gear drive, non-wrap front beaters, extended main sills and heavy duty frame work together to give you the capacity and unloading speed needed to put an end to silo bottlenecks Stop by and see the 940 forage box now!
(1) only 6x16 3 beater roof with steel sides, pintle chain mounted on 10 ton short turn radius wagon, with adjustable quick hitch, 12.5Lx15, 10 ply tires, serial #28796. Waiver till Sept 1, 1982 for only $5,588.00

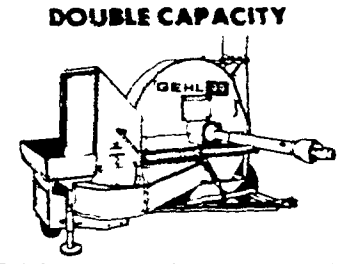


NEW 7 & 9 FT. MOWER CONDITIONERS IN STOCK

MODEL 1070, 7 Ft.
With Heavy Duty Knife Guards. Full float machine with inexpensive knife guards. You'll like it.
Trade
$4700 Up Now!

NEW MODEL 1090, 9 Ft.
Full Float Machine
$5,553

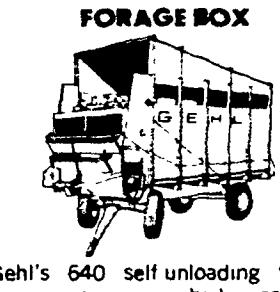
GEHL DOUBLE CAPACITY



Gehl's 99 forage blower is actually two blowers in one with 12 staggered fan blades, six on each side of the rotor for increased capacity, increased efficiency Two 24" giant spinners break up heavy clumps and super charge material into the main blower at 37' per second End silo bottlenecks and speed your harvesting operation stop by to see the Gehl 99 blower in action!
It's the answer to tough blowing haylage problems. In stock, ready for your farm Waiver till Sept 1, 1982.

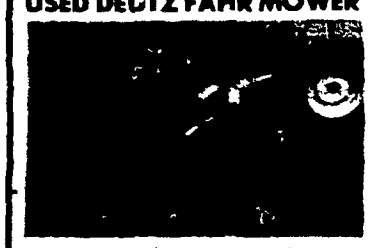
DON'T BUY ANY AUGER UNLOADING FORAGE BOX UNTIL YOU SEE OUR CONTINUOUS DRIVE

GEHL ECONOMICAL UNLOADING FORAGE BOX



Gehl's 640 self unloading forage box gives you high capacity unloading for quick field-to silo to-field cycles Time-saving features include front safety bar and side safety cables for quick shutdown plus a large 16' cross conveyor auger that unloads the heaviest loads quickly, evenly For economical unloading, stop by and see the Gehl 640 forage box today!
In stock serial # 3249 6x14 3 beater roof Mounted on Heavy Duty 10 ton wagon with 10-00x15, 8 ply tires and quick hitch
Cash Price **$4,250.00**

USED DEUTZ FAHR MOWER



FAHR Turbo Mowers simply swing back when encountering an obstacle
We have in stock a KM 22, 3 pt., 5½' cut mower, New Price approx $3,680. Like New, in stock at only $950

GOOD 12 FT. USED DUNHAM CULTIMULCHER TRANSPORT $1550.00

HAY RACK WAGON
7'x16'x8' sides - side openings on Case wagon
1 Only $689

GRASS CUTTING TIME IS HERE AND WE HAVE WHAT YOU NEED!
Specials in stock, while they last.
New Improved Model 552 - 3 ROTARY CUTTER
List Price $699
SALE PRICE **$520**

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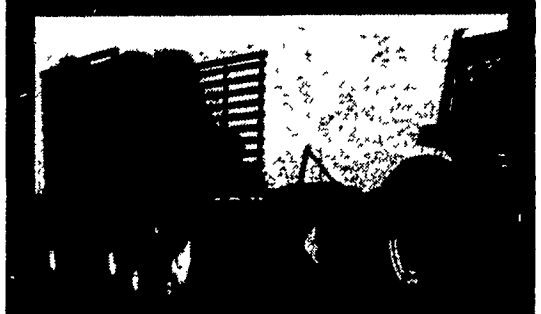
Hours: Daily 7 A.M. to 5 P.M.; Sat. 7 A.M. to 11:30 A.M.

FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT | FARM EQUIPMENT

RED HOT SPECIAL



IH 435 baler w thrower	$7,995
IH 445 baler w thrower	$8,995
IH 475 disk harrow w new tires	$4,425
IH 1250 grinder mixer	$6,225
IH 730 adj width 4 bottom trip plow	$5575
IH 720 5F 18 auto reset plow	$8325
IH 982 cadet 20 HP w 3 pt hitch	$4375
4500 field cult 16 5	$2750
IH 84 hydro diesel w 2250 loader	$18,650

(Also 484, 584, 684 diesel tractors at special OLD prices)
(Rebates are available on machines marked with an asterisk)

One Only
Farmall 786 w/18 4x38 rear tires, differential lock, roll frame
$20,850

USED TRACTORS & EQUIPMENT

Farmall 1566 w cab air conditioning local tractor used 1675 hours sold new in 76	$18 750
Farmall 686 diesel	$12 900
Oliver 77	$1 200
IH 544 Hydro utility 3 pt hitch	$4 900
IH 715 diesel combine 4 row narrow corn head 13 grain head	$23,000
NH 479 mower conditioner	$3,150
NH 717 forage harvester corn head & grass head	$1 275
Gehl forage harvester w 2 row corn head and grass head	$1,000
IH 830 harvester w 2 row head	$6500
JD 24T baler w thrower	$1 500
IH 37 baler w thrower	$800
IH 430 baler w thrower exc	$2950
Walsh 200 gallon sprayer	$1200
Walsh 500 gallon sprayer	$1500
MM tractor rake	$725
400 6 row planter w no till coulters & liquid fert	
Athens 11 6 disk harrow disked 10 acres	$2 150
NH 256 rake	$1 500
IH #15 one row chopper	$1,000
NH 40 elevator	$1 275
IH 4140 skid steer loader 40 HP 2 buckets	

NEW ALLIED EQUIPMENT

Amco 18 rock flex disk harrow	$10 750
Brillion 12 cultipacker	$1 275
McCurdy #230 gravity box	$675
Century 400 gallon poly spray tank	$295

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We ship parts by UPS daily

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IRRIGATION - WASTE WATER - MANURE - INDUSTRIAL

New - Used
Diesel, PTO, Electric, Gasoline

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Irrigation, Repairs & Gaskets for:
RACE, WOSCO, WADE, IRRECO, CHAMPION, SHUR-RANE, McDOWELL, A-M AND OTHERS

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- 3000 S.O.S. Diesel
- 4000 S.O.S. Gas
- 5000 S.O.S. Diesel
- 8000 Dual Power Diesel
- 9000 Dual Power Diesel

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Buffalo Springs, PA
Lebanon Co.
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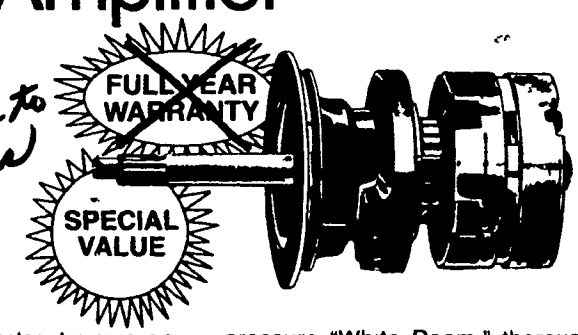
ReNEWed Parts prices are at the exchange level and are based on receipt of an acceptable core.

IH ReNEWed Parts are remanufactured under conditions comparable to new parts manufacture The entire restoration to original specifications is controlled by IH engineers IH ReNEWed Parts also are subject to the same rigid testing procedures as new and original equipment You can be sure of like-new performance, but at a price that's about a third less than for a new part And you save considerably when installing both in time and installation expense We'll put you back on the job quickly

We're featuring IH ReNEWed Parts as our June Parts Value of the Month

There's no better value than an IH ReNEWed Torque Amplifier

- Today—New product at ReNEWed prices
- Full-year ~~warranty~~ Now extended to two years
- Restores original performance



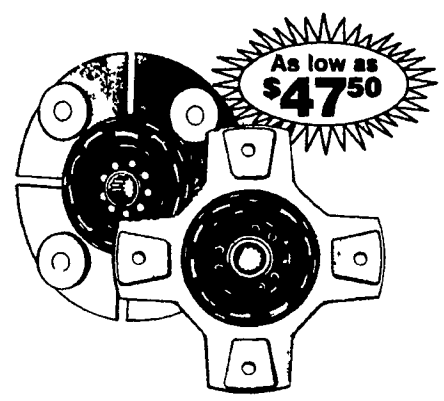
Today you can get a brand new heavy-duty IH Torque Amplifier at ReNEWed prices Yes sir, to meet demand the TA's we're selling today are brand new You get the best of both worlds top-notch quality in brand new merchandise at the most attractive price

An IH ReNEWed Torque Amplifier assembly can go a long way toward restoring original performance to your tractor In an older tractor, it may even increase load carrying capacity That's because IH Torque Amplifier design has been improved over the years and those improvements have been incorporated in today's units The result is positive lockup and greater strength for full-time, heavy-duty operation

To prevent contamination, TA components are assembled in a positive-pressure "White Room," thoroughly tested and specially packaged This is another IH plus!

And now you get even further assurance with IH's new full-year warranty

86 Series	1251 698 C91	$730.00
1566 1568 1586	1251 699 C91	730.00
88 Series	1250 255 C91	730.00



Save 32% on IH clutches! Most popular sizes and types of clutches are available in the IH line of ReNEWed Parts These original equipment clutches are IH engineering approved and are assembled with balanced pressure plates and dampener springs for quiet gears Hardened splines in hubs provide longer life Heavy-duty levers resist wear for longer life These clutches provide like-new service and save you an average of 32 percent compared to new All ReNEWed clutches are covered by IH's liberal 90-day warranty Some examples

A, Super A, B C Super C 100 130 200 230 240	1251 677 C1	$ 47.50
300 340 350 460 504 544 606	1251 683 C91	70.00
560 660 706 756 766 806 826 856 886	1251 682 C91	76 50
986 (disc)	1251 680 C1	93.50
986 (plate)	1251 689 C1	100 00

IH PARTSMART

ERB & HENRY EQUIP. INC.

New Berlinville, PA 1 Mile N. of Boyertown
Phone (215) 367-2169
Daily 7 to 5; Sat. 7 to 3

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SAVE 50%

NH Haybine Rubber Chevron rolls, brand new

$395
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FOR SALE

8 KW PTO generator on wheels, $950

'74 IH cabover sleeper, 318 Detroit, twinscrew, low mileage, 10 20 radial tires, sliding 5th wheel PS, $9500

215-286-9510

KUBOTA

USED KUBOTA'S

- B5700 2 WD
- B6000 4WD w/Loader
- B6100 2WD
- (2) B6100 2 WD w/Mid Mower
- B7100 4 WD
- B 7100 4 WD w/Loader
- L 175 2 WD
- L 225 2 WD w/Loader
- L 245 2 WD

Over 60 New Kubotas In Stock

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Lebanon Co.
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Lititz, PA
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Call 626-2121

Used Tractors:

John Deere 2630, 2020, 4520, 4430 w/cab, 4320, 4230, 4030, 4020, 2510, 3020, 3010
Allis Chalmers 210, 185 like new
Farmall 1086 4 wh. drive, 1466, 1066, 966, 806, 560, 460, 450, M, H
Ford 9600 cab & air, 7000, 4000, 2000, 9N
MF 175 diesel

Used Combines:

JD 4400
MF 300 quick tach

Used Trucks:

1974 Chevy w/new 16' grain body & hoist, 427 engine, 5 spd. trans., 2 spd. rear

Used Plows & Disks:

Used Keewanne 21' disk,
1450 John Deere 7 Bottom
New White 418 spring reset plow
Large selection of John Deere 5, 6, & 7 Bottom
Athens 21' Hyd. Fold disk
IH 470 18' Disk
Large selection of smaller John Deere disks
New Gehl, Fox & Badger Equip.
John Deere 7000 4 row planter
JD model 2500 6 btm. 18" auto. reset plow
NI 2 row narrow picker
Knight big augie 16, mixer feeder wagon w/electronic scales, used 4 seasons
Used Badger self-unloading wagon, 3 beaters, roof, 14' box
JD 1209 haybine
JD 336 baler
NH 273, 275, 276, 278 balers

Special - JD no-till drill, like new

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Ringoes, New Jersey
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This Weeks Special

GEHL 99 BLOWER, HEAVY DUTY PTO $2488.00

Other equipment available

Gehl 640, 960 Forage Boxes
Gehl 750, 1250 Forage Harvesters
Gehl 99 Forage Blowers
Gehl 1080, 1090 Mower Conditioners
M-F 124 Balers w/throwers
M-F Wheel Rakes
M-F 925 Mower Conditioners

All equipment field ready. Demonstrations available on above equipment. Call for Special Prices on most equipment.

USED EQUIPMENT

Tractors

M-F 255, 2705 low hours Special Price $18,900
A-C 7000, 7020, 200
I-H 684
Leyland 154
Ford 9N
JD B

Equipment

J-D 3800 Harvester w/heads
IH 555 Harvester w/heads
NI 2 row picker, pull type
Hesston PT10 & 1090 conditioner
M-F 12, 124 Balers

NEW TRACTOR SPECIAL

MF Model 275 Special Price: $14,990

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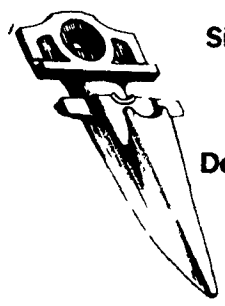
CLEAN-CUT BARGAINS...
Save Up To
20% on International Cutting Parts!

CUTTERBAR GUARDS



Single Guard - RMC 2041
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SALE $3.50
Double Guard - 483500R3
List $7.77
SALE $6.25

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7 ft.
MA 22837
462380R92
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SALE
$55.35

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Serrated Edge
M22831
List 55¢
SALE
44¢

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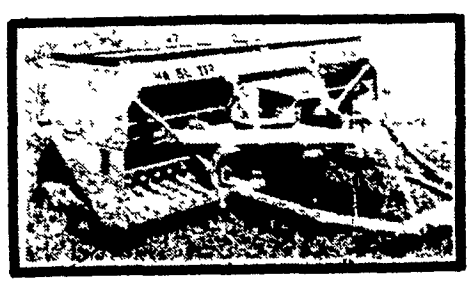
NO-TILL DRILL



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- 8' high
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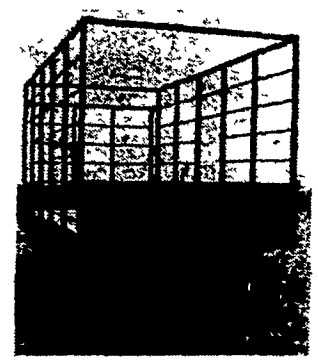

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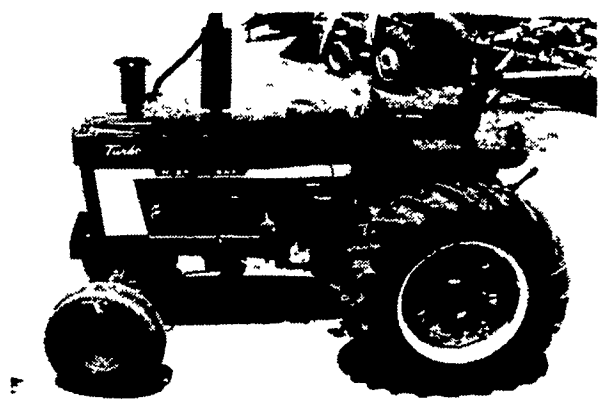
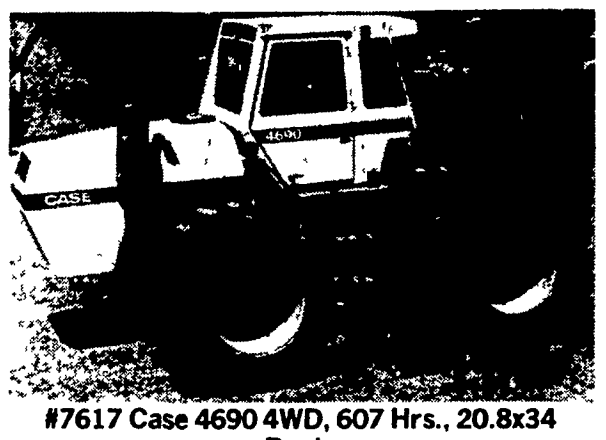
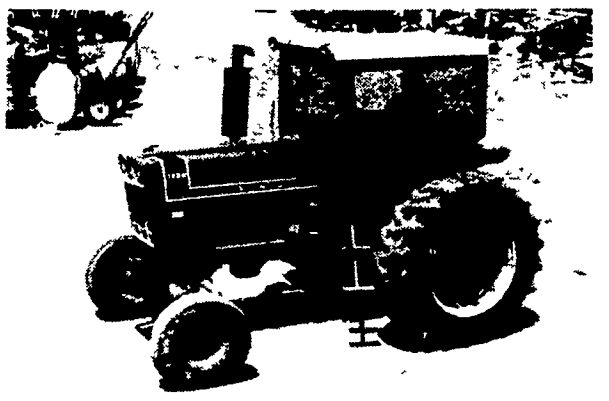


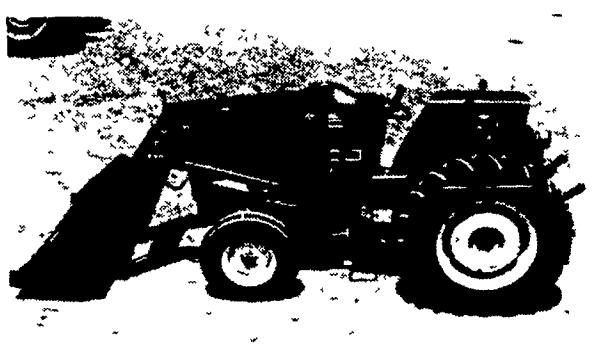
#7078 IH-F1066D w/20.8x38, 2121 Hrs., Excellent



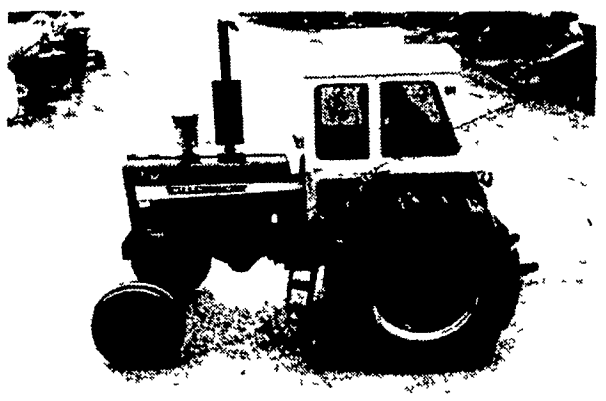
#7617 Case 4690 4WD, 607 Hrs., 20.8x34 Duals



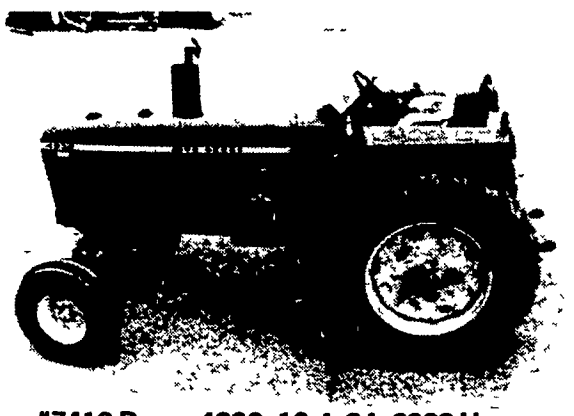
#7626 IH-F1066D, 1976, 1671 Hrs., 20.8x38



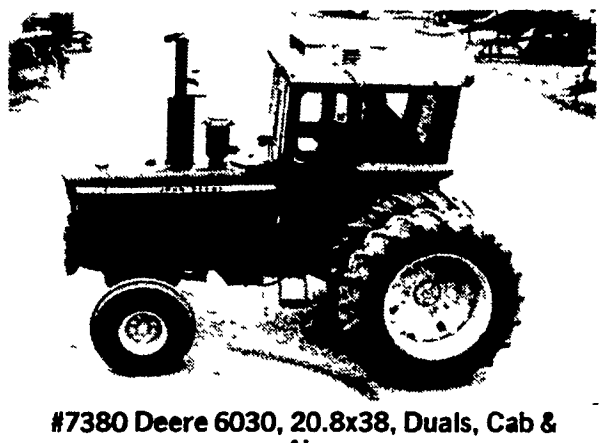
#7385 IH 484D w/2200 Loader, 202 Hrs., Excellent



#7379 IH-F1456D w/20.8x38, Cab w/Air

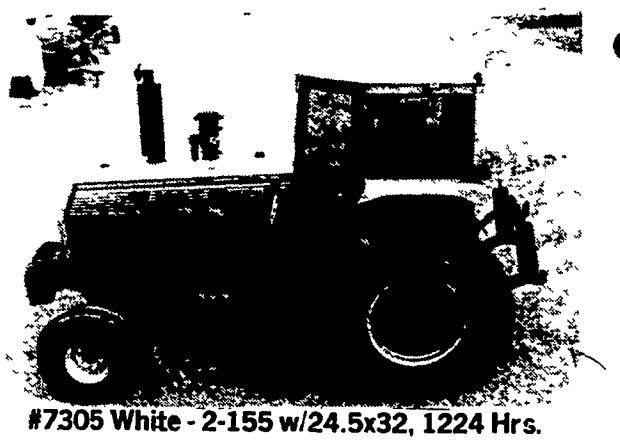


#7410 Deere 4230, 18.4x34, 2988 Hrs., Quad Range

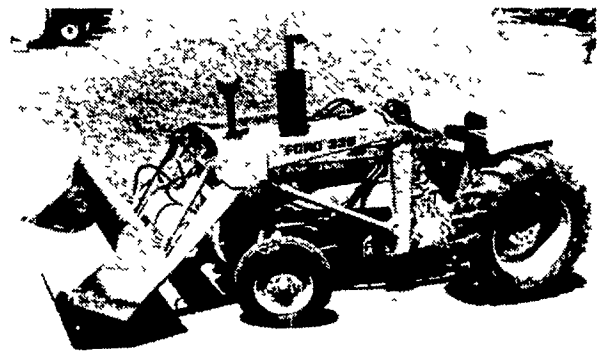


#7380 Deere 6030, 20.8x38, Duals, Cab & Air

#6432 IH - F1586D w/20.8x38, 1710 Hrs.

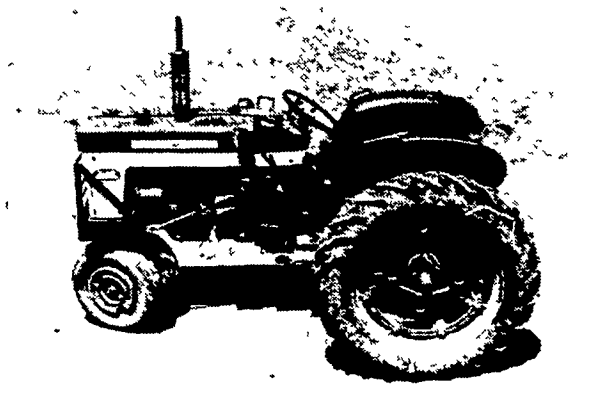


#7305 White - 2-155 w/24.5x32, 1224 Hrs.



#7449 Ford 335 Industrial Loader, 1978

#7131 MF 1085 w/Loader & Cab, 2213 Hrs.



#7624 IH - F340 Gas

USED EQUIPMENT

COMBINES

7435 IH 1460
7437 IH 1460
6817 IH 1460
7495 IH 1440
7138 IH 915D
5742 IH 915D
7104 IH 815D w/763 Cornhead & 13' Grainhead
7244 IH 815D
7142 IH 715D
7236 IH 315 w/3R Cornhead & 13' Grainhead
6126 IH 503-C w/430 WN Cornhead & 13 5' Grainhead
7223 JD 3300D w/13' Grainhead 581 Hrs
6098 NH 975 w/922 Cornhead & 13' Grainhead
7222 MF 510 w/63 Cornhead & 13' Grainhead
5373 MF 300 w/2R Cornhead & 13' Grainhead
7158 AC Gleaner F w/A330 Cornhead & 13' Grainhead
7098 NH TR70 w/962N4 Cornhead & 960 15' Grainhead

PLANTERS

3288 IH 400 8R Cyclo
6654 IH 400 4R Cyclo
6475 IH 400 4R Cyclo
6547 IH 500 6R Cyclo
7329 AC 600 8R Air Planter w/No-Til
7623 IH 56 4 Row
7625 White 4 Row, No Till

TRACTORS

7604 IH E 1466D
7516 IH 4586 4 WD
6594 IH 4366 4 WD
7302 IH F1486D
7372 IH F1466D w/cab
7573 IH F1466D w/cab
7569 IH 1066D w/cab
6452 IH F806D
6186 IH F656D Hydro
7292 IH 544D Hydro
7500 IH Farmall M
7059 IH Farmall M w/2M Cornpicker
6526 IH 125C Crawler Loader
7388 Kubota L245DT 4WD w/1200 Loader
7183 Steiger ST-251 Cougar III
7616 David Brown 885 G, Turf Tractor

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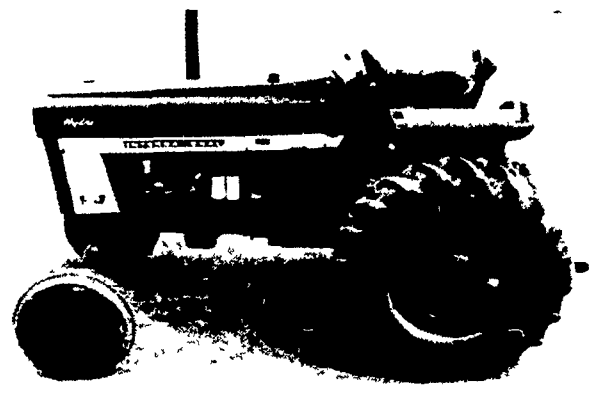
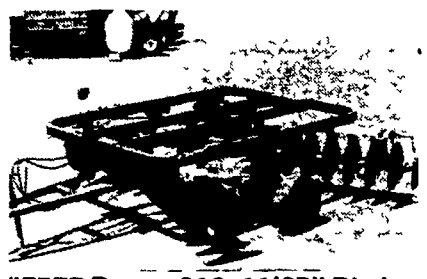
#7373 Deere 8630 4 WD w/Dual, 18.4x38



#7273 IH - F1066D Hydro w/18.4x38 Tires

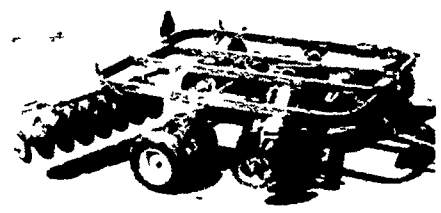
#7448 IH - F986D w/18.4x38, Rops Cab

OTHER GOOD USED EQUIPMENT

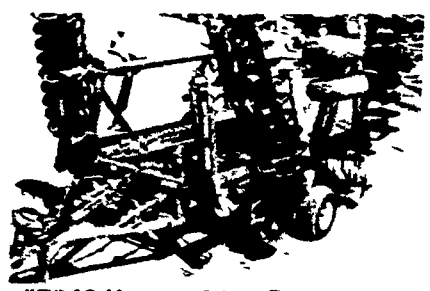


#7577 Deere, 310, 11'25" Blades

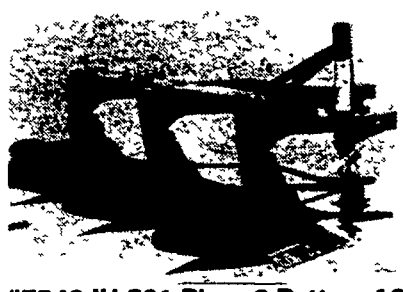
#7157 Sunflower #2-12, 12' Offset



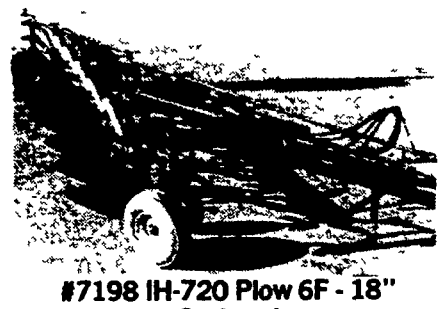
#6332 Deere 310, 12'6"



#7049 Krause 2413 Rockflex 23'

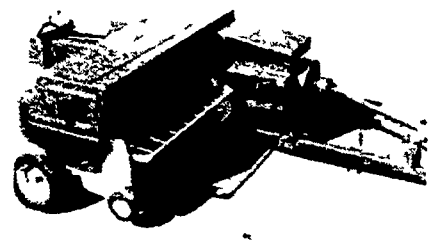


#7543 IH-531 Plow, 3 Bottom-16"



#7198 IH-720 Plow 6F - 18" On Land

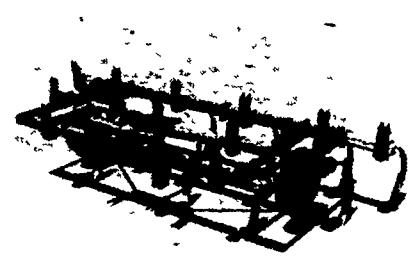
#7572 Athens 163 Disc, 11' 24" Blades



#4976 NH - 320 Baler

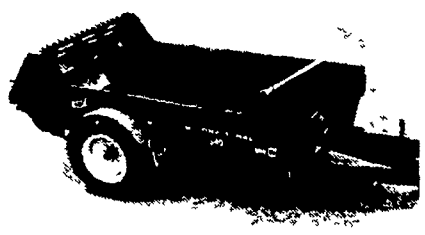
#7504 IH - 45 Vibra Shank 8½'

#6493 Glencoe Soilsaver 11 Shank

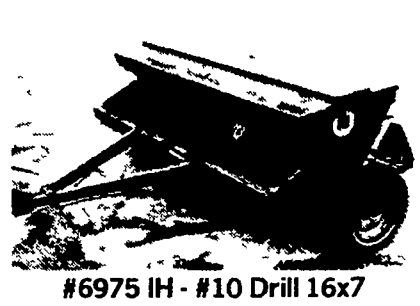


#7630 Taylorway 14 Tooth Chisel, Mounted

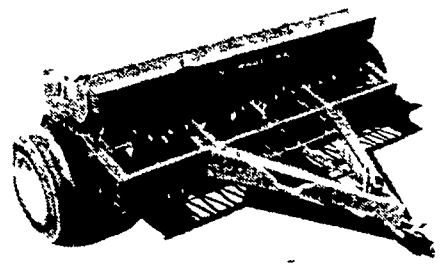
#7537 Binkley 11 Shank Digger Disc



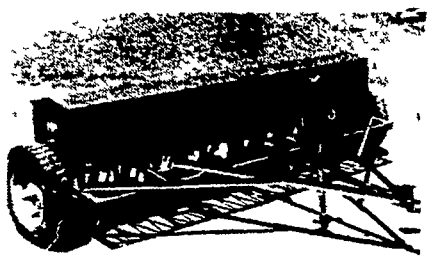
#7181 IH-540 Manure Spreader



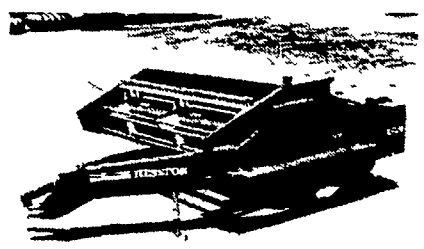
#6975 IH - #10 Drill 16x7



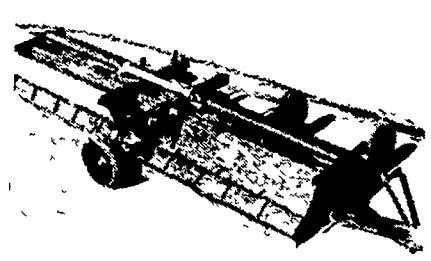
#7507 IH-510 Drill 21x7



#7554 MF-43 Drill 22x7 w/Grass Seed



#6743 Hesston 1090, 9' Mower Conditioner



#7225 MC-1805 Stalk Slicer

#7092 Bearcat 72 Flail Chopper

#7319 1300 Mower, 7' 3 Pt.

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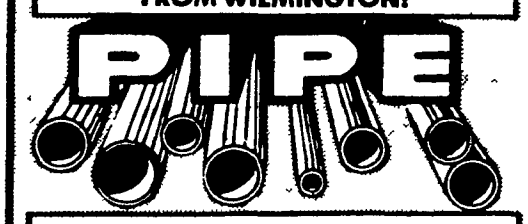

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MF 63 6 Row 30" (4)	@ $2100.00
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MF 44 4 Row 38" (9)	@ $2500.00
MF 44 4 Row 38" (3)	@ $2100.00
MF 43 4 Row 30" (1)	@ $2500.00
MF 33 3 Row 30"	$2500.00
MF 24 2 Row 38"	$2200.00
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MF 621 4 Row To Fit 510	$1200.00
MF 322 3 Row To Fit 410	$200.00

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EZ 14' Forage Box, 10 Ton Gear	$3715 00
EZ 14' Forage Box, 1074 Gear	$3950.00

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MF 1800	$15,500
MF 1155 8 Sp	$11,000.00
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NW 71 Skid Steer	$8000.00
Long 9500 Diesel	$4500 00
MF 2675	$20,000.00
MF Super 90 Diesel	$4,500 00
JD 4430 Less Cab	$15,000
MF 1130 engine overhauled	$8000
MF 275 w/Loader	$12,000

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MF 4840, 265 Hp , 18 sp 3 pt P T O	$59,000.00

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(4) York 7' Scraper	@ $250.00
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MF 7 8 Ton Gear	$775.00
MF 86 12 Ton Tandem Gear	$1525.00
EZ Pincor Gear	$250.00
MF 5 Ton 5th Wheel Gear	$300 00
EZ 672 6 Ton Gear	$675.00
EZ 872 8 Ton Gear (3)	@ $830.00
EZ 1074 10 Ton Gear	$1050.00
MF 216 Q A Loader	$1750.00
MF 32A Loader	$3500.00
Dunham 22 Loader (2)	@ $2550.00
Danuser Post Hole Digger	$875.00
Little Giant Corn Drag	$780.00
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EZ 220 Bu Gravity Box	$900.00
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Amco F17 32 Disc Harrow	$5200.00
Dunham 8 Tooth Chisel Plow	$1600.00
MF 730 Disc Harrow 10'	$4950 00
Dunham 14' Cultipacker	$1350.00
MF 428 4 38 Cultivator	$1250.00
MF 620, 12' Disc Harrow	$4950.00
Glenco 7 Tooth Soil Saver	$5600 00

USED PLOWS & TILLAGE

MF 520 Disc 10'	$1500
Brillion 15' Cultimulcher	
Oliver 4x16 Semi-Mtd Plow	$1000
Ford 5x18 Semi-Mtd Plow, Auto Reset	$2000
IHC 16' Vibra Shank	$1500
JD 28' Rotary Hoe	$1800

USED HAY - FORAGE & PLANTING

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Brady 1680 Flail Chopper	$2900.00
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1980 MF 750 Hydro , 13 ft Grain Head	$49,500.00
1980 MF 750 Gear Drive, 20 Ft Floating Header	$41,000.00
1980 MF 550 Hydro	
1979 MF 760 V8, 14 Ft Grain Head, 1163 Corn Head	$51,000.00
1979 MF 760 V8, with Grain Saver & Chopper	$45,000 00
1978 MF 760 V8, with rear Wheel Drive & Grain Saver	$48,000 00
1978 MF 510 Hydro, 13 Ft Grain 4 Row Corn Head	$27,000.00
1977 MF 750 Hydro, 16 Ft Floating Header	$38,000.00
1977 MF 750 Hydro, 14 Ft Grain Head, 63 Corn Head	$37,000.00
1977 NH TR 70	$22,000
1976 MF 750 Hydro, 14 Ft Grain Head, 44 Corn Head	$38,500.00
1976 MF 750 Hydro, 14 Ft Grain Head	$29,000.00
1976 MF 750 Gear Drive, 14 Ft Grain Head, 1144 Corn Head	$31,000.00
1975 MF 760 V8, 18 Ft Floating Header	$33,000.00
1975 MF 760 V8, 15 Ft Grain Head	$29,000.00
1975 MF 300 Gas, 13 Ft Grain Head	$11,000.00
1974 MF 510 Diesel, 16 Ft Floating Header	$17,500.00
1974 MF 510 Diesel, 13 Ft Grain Head, 43 Corn Head	$19,500.00
1974 MF 510 Diesel, Less Heads	$15,000.00
1972 MF 760 Gear Drive, 16 Ft Grain Head	$19,500 00
1972 MF 510 Diesel Hydro, 13 Ft Grain Head	$14,500.00
1970 MF 510 Diesel Hydro, Less Heads	$12,500.00
1968 MF 510 Diesel, 13 Ft Grain Head, 43 Corn Head	$15,500.00
1968 MF 510 Diesel 13 Ft Grain Head	$12,500.00
1968 Gleaner CII, 13 Ft Grain Head, 4 Row 36" Corn Head	$8500.00
MF 510 Gas, 12 Ft Grain Head, 421 Corn Head	$9000.00
IH 315 Gas, 12 Ft Grain Head, 2 Row Corn Head	$7900 00
IH 315 Gas 12 Ft Grain Head	$4900 00
IH 141, 10 Ft Grain Head	$2000.00
IH 303, 10 Ft Grain Head, 2 Row Corn Head	$3900.00

DEMO
MF 4R AIR CORN PLANTER
NEW $7,900 SPECIAL PRICE $4,250

FARM EQUIPMENT

TRACTORS

JD 4020 WFE Side Console
IH 656 Dsl w/2000 Loader
IH Super C w/cult
IH 2500 Industrial Tractor w/Loader
IH 2500 Tractor/Backhoe Loader
IH 1206
IH 806
IH 706
IH 674 D
IH 656 D A 1 Cond
IH 656 Gas Farmall
IH 606 D
IH 544
IH 454 Dsl
IH 330
IH 06 Orchard Tractor w/Fenders
IH 3514 Loader, Backhoe
IH 125 E Hi Lift
Case 800 D
Case 830
JD 70 Skid Loader
Case 1845 Skid Loader
Case 1816 Skid Loader
#10 Hydra Mac Skid Loader
Farmall H
Farmall Super H
AC B w/Culti , Plow & Mower
Oliver 1750 Dsl New Tires
Ford 961
Long 350 w/500 hrs

TILLAGE

IH 2R 2 pt hitch cult
IH 4R 3 pt hitch cult
JD 2600 5B Auto Plow Variable Widths
IH 710 4x16 Plow Reset
IH 710 3x16 Plow Reset
IH 560 6x16 Plow
Long 2x14 3 pt hitch plow
JD KBA 12' Transport Disc
JD 1640 13' Disc Harrow, Dual Wheels
IH 19B Disc
IH 9A 8' Disc
IH 9A 11' Disc
IHC 370 11'6 ' Disc, nice
IH 45 9' Vibra Shank 2 pt hitch
IH 440 Baler w/Thrower
IH 46 Baler

FORAGE WAGONS

Gehl 710
Gehl BU 85
AC
NH #6
VanDale 185 Mixer Wagon w/Scales
IH 1150 Grinder Mixer
Cory 8 Ton Running Gear

SPRAYERS

Walsh 500 Gal Sprayer
Demco 500 Gal Sprayer
Century 200 Gallon
Century 125 Gallon

MOWER CONDITIONERS

IH #225 SP
IH 990
NH 479
Hesston 1014
OMC 216
NI 270 Cut/ditioner
JD Hay Tedder
Farmhand Windrow Turner
NI 290 Windrower
IH 100 2 pt Mower
IH 28 Rotary Mower
IH U528 Sickle Mower
MF 3 pt hitch Sickle Bar Mower
705 w/Super Chopper and 3RN C H and Hay Pickup
767 Forage Harvester
702 w/Combine
729 A Shelter
737 Husking Bed
726 Husking Bed
NI 744N Corn Head
770 Feeder House
741 Feeder House
724 3RW Corn Head
IH 205 Combine
IH 303 Combine
IH 715 Combine
IH 915 Combine

MANURE SPREADERS

NI 224 375 Bushel
NI 244 325 Bushel
NI 245 375 Bushel
NI 218 325 Bushel
NI 213 165 Bushel
NI 214 200 Bushel
NH 676 275 Bushel
IH 540 Spreader
IH 2000 Loader
IH 155
JD 760
Starline
JD 10' Fert Spreader
Badger BN102 10 Pump
NH 12 Fert Spreader
Lely 2000 lb 3 pt Fert Spreader
NI 3 pt Hitch Fert Spreader
Dual Wheels w/15x5x38 Tires

BLOWERS

IH 56
Fox 280
Hussler 56
Fox 44 Table belt driven
Kools KB60

FORAGE HARVESTERS

IH 650 2R Head and Pickup
IH 555
Fox 3000 2R Head and Pickup
IH #16 1R Head and Pickup
Fox Custom 90
Fox 1000
NH #818
Brady 722 Flail Chopper

NEW EQUPMENT SPECIALS JUNE ONLY

Item	Rebate	or	Waiver
IH Corn Planters	00		4/1/83
IH Chisel Plows	$150		9/1/82
IH Moldboard Plows	$350 to $600		9/1/82
IH Disc Harrows	$275 to $1100		9/1/82
IH Manure Spreaders	$200 to $275		11/1/82
IH Grinder-Mixers	$375		1/1/82
IH Rakes & Mowers	$100		10/1/82
IH Balers and Mower Cond	$325		10/1/82
IH SP Windrowers	$650		10/1/82
IH Fg Harvesters	$650		10/1/82
IH Flail Chopper	$200		10/1/82
NI Manure Spreader	00		11/1/82
Badger Fg Wagon	00		11/1/82

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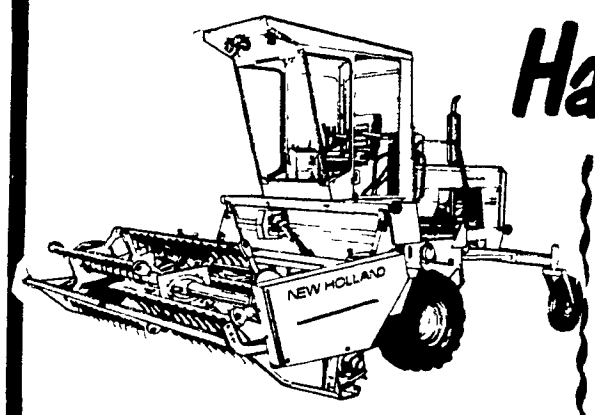
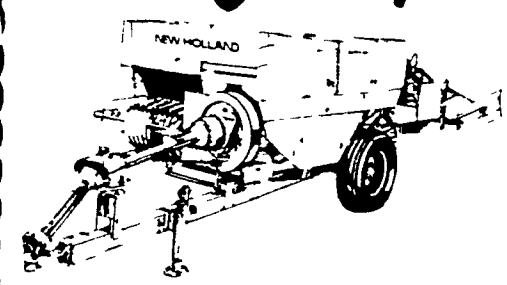
YOUR HAY EQUIPMENT HEADQUARTERS

Hay In A Big Way!



1495 HAYBINE® MOWER-CONDITIONER

12 Ft cut with the unique **ROLAREEL**® header that picks up down and tangled crops feeds them evenly and directly into the 9'2" rubber, intermeshing conditioning rolls



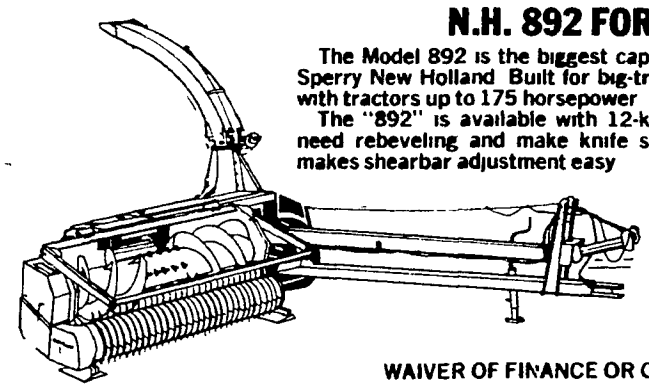
NH 315 Baler

GET A GREAT DEAL ON SPERRY NEW HOLLAND HAY TOOLS!

GOOD USED HAY EQUIPMENT

Int. 990 Mower Conditioner	NH 56 Hay Rake
JD 1209 Mower Conditioner	IH 7 Ft. Sickle Bar Mower
NH 850 Round Baler	MF 3 Pt. Hitch for 7 Ft. Mower
IH 430 Baler & Thrower	NH 479 Haybine

N.H. 892 FORAGE HARVESTER



The Model 892 is the biggest capacity pull-type forage harvester offered by Sperry New Holland Built for big-tractor horsepower, the "892" can be used with tractors up to 175 horsepower

The "892" is available with 12-knife exclusive underbeveled knives never need rebeveling and make knife sharpening fast and easy Flip-up feedroll makes shearbar adjustment easy

"SPECIAL DEAL"
Demo, Cut Only 40 Acres

WAIVER OF FINANCE OR CASH REBATES TILL OCTOBER 1, 1982

INTERNATIONAL THE NEW NO. 1

3288
90 PTO hp*

LET US GIVE YOU A DEMO

* Manufacturers Estimate

5088
135 PTO hp*

GOOD USED TRACTORS

IH 1086 D Cab and air, like new, only 560 hours	**FORD INDUSTRIAL 2000** W/Front end loader, 3 pt hitch	**OLIVER 1855 Diesel** 3 pt. wide front, excellent condition

GOOD CLEAN USED EQUIPMENT

TRACTORS
IH Farmall H Tractor
IH 1086D, Cab and Air Only 560 Hours
Oliver 1855 Diesel 3 pt., Wide Front Ex Cond
Ohver 77 Tractor
Farmall 200 Fast Hitch
Ford 2000 w/Loader

HAY EQUIPMENT
NH Model 850 Round Baler
IH 37 Baler w/Thwr
JD 1209 Mower Condition
IH Model 15 Rake
NH 56 Hay Rake
Ensilage Cutter, Blizzard Like New
Ensilage Cutter, McCormick, Good
IH 990 Mower Conditioner
NI Mower Conditioner

PLANTERS
JD 494A 4 Row Planter
Tye No-Till Drill 13½ ft. wide used 150 Acres

TILLAGE EQUIPMENT
IH 531 Plow
IH 37 Disc Harrow 11 Ft 6 Cut
Brillion 10 Ft. Packer
Brillion 16 Ft Transport Harrow
Brillion 12 Ft. Cultimulcher
Brillion 10 Ft Transport Harrow
IH Little Genius 2 Bottom Plow
IH 10 Ft 9A Disc Harrow

SPREADERS
NH 362 Tank Spreader
IH 540 Spreader & Hyd Gate
NH 518 Spreader
NH 790 Spreader Tandem Axle Hyd Gate

HARVESTING EQUIPMENT
IH Model 234 Mtd Corn Picker
NH 770 R2 Corn Head
NH Self Propelled 818 Diesel Harvester
1880 N3 Corn Head
Brady 4 Row Stalk Shredder
IH 16 Forage Harvester 1 Row Real Clean
NH 1400 Hydro Combine 13 Ft Grain Head w/962 w4 and 962
N4 Cornheads

SKID LOADERS
NH L425 Skid Loader Excellent Cond
NH 775 D Skid Loader 350 Hrs Demo SAVE $$$

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Several Used Cub Cadets
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GOOD USED EQUIPMENT

Farmall 544 tractor
1 Farmall M
Farmall 504 tricycle front end gas engine equipped w/loader
Used IH cub cadets
5 S #550 plow
3 F Oliver rollover plow
Used Farmall Cub w/equipment run approx 65 hours
Used 154 LowBoy tractor w/rotary mower
Farmall Super C

IH 1440 axial flow combine w/1150 hours, excellent condition.

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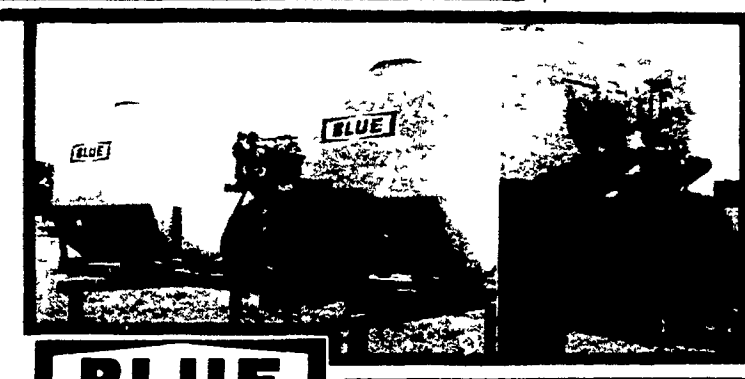
Army Trucks
1 gas $3200
1 diesel $4000
5 sp high low range tandem axle
Snap Bean Harvester on Int 666 hydro drive tractor complete with dump box $11 000
JD 830 diesel 18 4x36 tires exc cond $4000
Disc Harrow
Oliver, 15', like new 20 ' discs $1500

609-769-3183



BLUE

FEATURES:

UNBEATABLE ACCURACY
- Blue Metering Pump L 1094 or L 4400
- Speed Sensitive – Set It And Forget It
- Press Wheel Drive

SINGLE UNIT CONVENIENCE AND EFFICIENCY
- Twin 200 Gallon Polyethylene Saddle Tanks
- Metering Pump
- Pump Mount
- Press Wheel
- Side Saddles
- All Mount Together In One Package – Easy On And Easy Off

VERSATILITY
- Pumps Meter Liquid And Suspension Fertilizer And Herbicide
- Use With Planters Discs Our 30 Foot Boom or Other Application Packages

BLUE

FEATURES:
- 500 Gallon Tank (Stainless Steel or Polyethylene)
- 6 000 lbs. Capacity 2-Wheel Cart
- Press Wheel Pump Drive (Manual or Hydraulic)
- John Blue s L-4400 or L-4900 Metering Pump
- 30' Boom 40' Boom or 40 Truss Boom
- Without Boom It Can Be Used As Nurse Unit
- 60 –80 Adjustable Tread Width
- Venturi Agitation or Sparger Agitation – Blue s Hydraulic 2" Centrifugal or PTO Centrifugal Pump
- Low Clearance Chassis – 12 1/2" (Under Axle) or High Clearance Chassis – 26" (Under Axle)

★ 300 GAL. w/30' BOOMS..... $3425
★ 500 GAL. w/40' BOOMS..... $6995

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Ford Tractor Model 2000
Ford Tractor Model FMD
Ford Tractor Model 4000
Case Tractor Model 1210
JD Tractor Model 60

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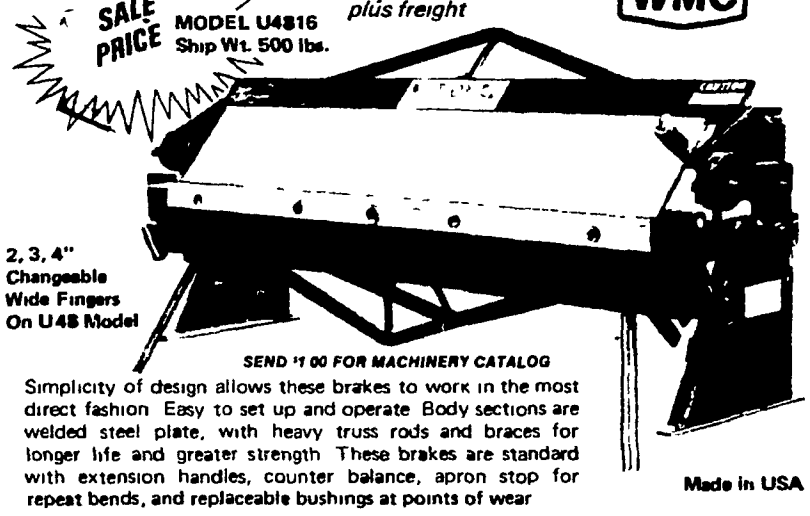
NATIONAL 48" 16 GAUGE HEAVY DUTY BOX BRAKE

SALE PRICE $995.00 WITH STAND plus freight
MODEL U4816
Ship Wt. 500 lbs.

WMC



2, 3, 4" Changeable Wide Fingers On U48 Model

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Simplicity of design allows these brakes to work in the most direct fashion Easy to set up and operate Body sections are welded steel plate, with heavy truss rods and braces for longer life and greater strength These brakes are standard with extension handles, counter balance, apron stop for repeat bends, and replaceable bushings at points of wear

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NEW RHINO 131 12' 11" FLEXIBLE DISK HARROW 24" smooth blades ¼" thick, 9½" spacing, new dual tires & tubes, furrow filler & set up, list $8257	SALE	$ 7,000
LITTLE GIANT ELEVATOR 42' w/PTO drive	SALE	$ 2,550
NEW CENTURY 300 GALLON SPRAYER 35' boom, hyd cent pump, list $2586	SALE	$ 2,380
FIDELITY 35 KW ALTERNATOR with trailer and PTO, list $4295	SALE	$ 3,550
RENTAL TYE NO TILL DRILL WITH TRANSPORT hydraulic hose Avail For Rental	SALE	$ 4,500
UEBLER 790 ELECTRIC FORAGE FEEDER with batteries, list $3860	SALE	$ 3,300
VICON 620 HAY RAKE 4 Wheel, 3 Pt , list $1100	SALE	$ 900
VICON H820 HAY RAKE 5 Wheel, 3 Pt , list $1375	SALE	$ 1,100

• John Blue Sprayers In Stock! • Farm Bilt Bale Wagons In Stock! • Athens Model 76 Double Offset 11'8 In Stock!

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NEW IH 584 ROW CROP DIESEL With 16 9x30" 6 plys, 9 5Lx15" 6 plys , air cleaner safety element, 16 1 GPM hyd pump, protective frame telescoping lower links, first rear wheel weight, A&H, List $16,066	SALE	$13,000
DEMO IH 501 DISK HARROW - 12'5" 26" blades ¼" thick, dual wheels w/new tires, furrow filler w/blade, hyd cyl hoses & fittings, set up, list $8031	SALE	$ 6,225
DEMO IH 350 VIBRA-TINE HARROW 18' folding, 3 pt hitch, less cyl , list $2150	SALE	$ 1,250
IH 315 20' PACKER MULCHER HYD. FOLDING Hyd transport cyl , front scrapers, leveling bar, A&H, list $9312	SALE	$ 7,900
NEW IH 5000 SELF PROPELLED WINDROWER DIESEL Cab w/AC, 16 5Lx16 1 6 plys, 6 70x15" 4 plys, counterbalance weight, 12' single auger header, bottom plate, tall crop divider, skid shoes, gauge wheels, A&H	Call For Price	
IH 482 CUB CADET 11 HP 4 Speed, single cyl , Briggs & Stratton, hand lift, 44" mower FREE	SALE	$ 2,669
IH 786 Diesel w/o ROPS, 18x4x34 Tires	SALE	$19,800
IH 584 Utility with 2250 Loader	Call For Price	
IH 2200, 2250 & 2450 Loaders	Available At Old Price	
IH 4140 Diesel Skid Loader Demo Too Cheap to Advertise	Call For Price!	

NEW! **New IH 496 CUSHION GANG FLEX WING DISC HARROW w/EARTH METAL DISCS** NEW!
• 22 Ft. And 24 Ft. Models In Stock!

• IH 3 pt. 181 Rotary Hoe In Stock! • IH 4 & 6 Row 183 Cultivators In Stock!

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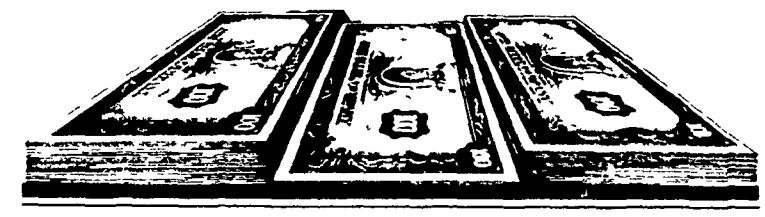

Buy your new John Deere tractor in June...get bigger-than-ever savings in John Deere money

Take your pick from the 15 new John Deere tractors listed here 40 hp to 300-hp Beyond our good deal you'll qualify for Super Tractor Savings directly from Deere

***Pay cash for your new tractor or finance it with Deere (without waiver)...or lease it from Deere, and you'll qualify for Super Tractor Savings: $1,400 to $12,900 in John Deere money, depending on model selected.** John Deere finance and lease plans are subject to approved credit

However, if you finance with Deere and prefer to have finance charges waived until January 1, 1983, you'll still qualify for a bonus from $900 to $8,200 in John Deere money (see chart at right)

Your money bonus will be mailed to you after we deliver your new tractor You can use this John Deere money bonus to purchase any equipment or services we offer

Super Tractor Savings at this level run through June 30 unless the offer is withdrawn earlier Don't miss out!

Tractor Model	Super Tractor Savings	John Deere Bonus
8850	$12 900	$8 200
8650	10 200	6 400
8450	8 800	5 700
8640	7 900	4 500
8440	6 800	4 000
4840	6 000	3 600
4640	5 600	3 400
4440	4 500	2 800
4240	3 800	2 300
4040	3 600	2 200
2940 w/o SGB*	2 700	1 800
2940 w/ SGB*	2 300	1 400
2640	2 100	1 300
2440	1 800	1 200
2240	1 700	1 100
2040	1 400	900

*Sound-Gard® Body

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NEW VERMEER SUPER SERIES BALERS
Call For Spring Terms
2-504F baler
1-605F Baler
1-MC 9 mower-cond., $6470
1-F100 bale feeders, $2495
3-504G balers
2-SR 1200 Irrigation Travelers — $19,000 ea.

NEW VICON EQUIPMENT
Spreaders from 400 to 2400 lbs. in stock
Cash Discount on '81 Prices
2-PTO tedder - rake
2-5 wheel 3 pt. hitch rake
1-8 wheel -V-rakes
1-6 Wheel Rake
1-8' 3 pt. hitch disc mower
1-RP 1200 Round Baler
2-8' Mower Conditioner

NEW HAYBUSTER EQUIP.
1-Tye 3 pt. no till drill
1-Bale Buster for mulching lg. round bales

MISC. NEW EQUIP.
2-Kelly log splitters engine drive
1-1450 lb. fert. spreader, $780

LAHMAN SKID STEER LOADERS
1-23 hp, 2 buckets, $6200

USED & DEMO EQUIP.
1-Vicon 15' power harrow, demo - $6000
1-Vicon 8' mower conditioner, used - $5000 ea.
1-504C Vermeer Round Baler - $3800
1-Oliver 7B Plow - $1300
2-IH Rakes

June is Dairy Month

Badger bunk feeder wagon
MF 3 pt mower, like new
New 3 pt blades 6 and 7 ft special discount
JD 7 pusher blade
New 5 Bush Hog Rebel model only 1 left list $750, our price $595
NH Super 26 blower, ex
Brady hay conditioner
AC 9' transport disk, excellent
New 6 bucket to fit Swartz or Oliver manure loader
Swartz feeder wagon Model 190, 153 bu
Rosenthal corn husker, good cond
NI roller bar rake, brand new, special discount
20 Steel rack bale thrower body in stock special discount $1250
Oliver 3x14 3 pt plow exc
White 316 plow sharp
Gehl 100 grinder mixer SOLD new cond
IHC tractor rake $450
NH 53A bale thrower

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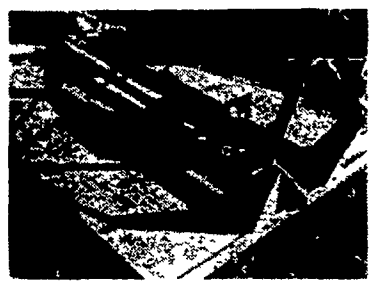
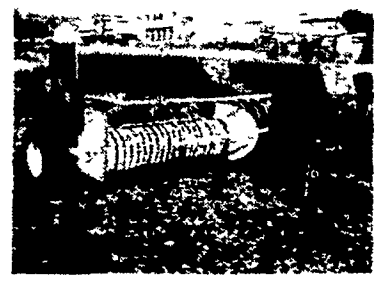
DOWN TO EARTH VALUES
ON QUALITY USED EQUIPMENT

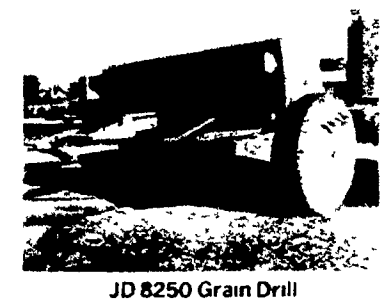


JD 506 5 Ft Rotary Cutter
$795.00

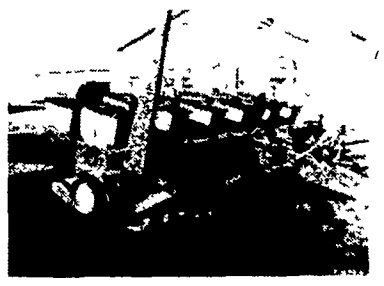


JD 336 Baler
$3600.00

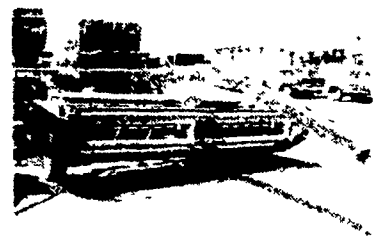
JD 1209 9 Ft Mower Conditioner - Just Arrived, Call For Price



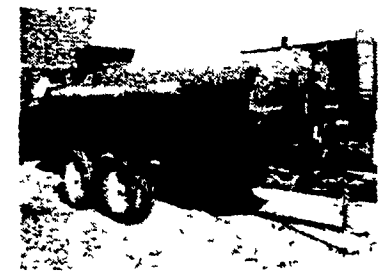
JD 8250 Grain Drill 8 Ft w/Fertilizer and Grass Seed
$2395.00



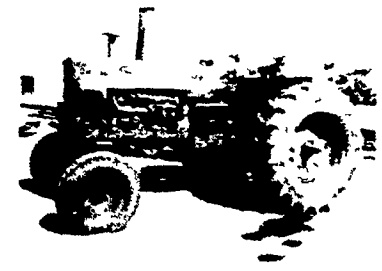
JD 7000 6 Row Narrow w/HD Cutters, John Blue Pump and Fertilizer Disk Openers - Call For Price



JD 1380 Mid Pivot 12 Ft Windrower Conditioner
$5450.00
• Swath Attachment Available



Badger 1500 Gal Liquid Spreader
$2950.00



IH 1456 Diesel
$12,000.00

TRACTORS
Case 1270, 135 HP, Low Hours	$18,000
JD 630 G Tractor on steel	$2800
JD 1010 Gas 35 HP, NFE	$2400
David Brown 1200 Diesel	$3500
JD 4020	$10,500
Ford 8N	$1700
Ford 8N	$2100

COMBINES AND ATTACHMENTS
JD 244 2 Row Wide Corn Head	$1600
JD 444 4 Row Wide Corn Head	$4250
NH 962 N4 Corn Head	$4250
NH 962 N6 Corn Head	$8850
NH 960 13' Flex Platform	$2850
NH 960 15' Flex Platform	$4500
Case 1665 Gas w/4 Row Wide Corn Head and 13 Ft Grain Platform	$10,500
JD 3300 Diesel w/3 Row Narrow Corn Head and 13 ft Grain Platform	$27,500

BLOWERS
NI 620 Blower	$1050
AC 54", 540 RPM Blower	$650
JD 65 Blower	$1050

GRINDER MIXERS
JD 750 w/Hydraulic Drive	$4950
NH 355 100 Bu	$4750

HARVESTING EQUIPMENT
NI 323 Corn Picker	$3250
NH 1890 Harvester w/890A Auger Base and 890N3 Corn Head	$29,000
NH 880 Harvester w/880N2 Corn Head	$2500
Badger 214 Forage Box w/Running Gear	$1875
JD 38 Harvester w/2 Row Narrow Corn Head	$2650
JD 3960 Harvester	$11,546
JD 2 Row Narrow Corn Head	$2500
NI 323 Corn Picker	$3250
NH 880 Harvester w/880 R2 Corn Head	$2650
NH S717 w/717 R2 Corn Head	$2250
NH S717 w/770 R2 Corn Head	$3100
NH 707 3 Pt w/1 Row Head	$2350
NH 707W Hay Pickup	$500
JD Hay Pickup from 34 Harvester	$500
JD one Row Corn Head	$475
NH 717 R2 Corn Head	$650
NI 323 Corn Picker	$3600
NH 717R1	$450
Fox 2310 Harvester w/728 2 Row Wide Corn Head	$4000
NI 325 2 Row Narrow Corn Picker With 327 Husking Unit	$4500
NH 880 N3 Corn Head	$1800
NI 325 2 Row Narrow Corn Picker with 314 Shelling Unit and Engine on Steel	$6000
Gehl Forage Box w/NH 234 Gear	$2950
Zimmerman 32 ft Elevator	$1195
John Deere 36 ft Elevator	$1085

HAY TOOLS
Owatonna 270 275 Hydrostatic Self Propelled Windrower, Conditioner	$2495
NH 450 3 Pt Mower 7 Ft	$1250
NH 465 Trailer Mower 7 ft	$1250
JD 1209 Mower Conditioner	Just Arrived — Call for Price
NH 479 Haybine -	Just Arrived — Call for Price
NH 479 Haybine	Just Arrived — Call for Price
NH 495 Haybine, 12 ft w/End Transport	Just Arrived

TILLAGE
JD Cultivator, front mounted w/Rear Rig	$195
Bearcat 12 Ft Transport Roller Harrow	$675
Oliver 365, 4 Bottom 16 Trip Plow	$500
Oliver 251 Disk 10 ft 28 Disk	$1275
JD KBA Disk	Just Arrived — Call for Price
JD 145 2 Bottom Trip Plow	Just Arrived — Call for Price
Oliver 5 Bottom Hydraulic Reset Plow -	Just Arrived — Call for Price

BALERS
MF 12 Engine Baler	$1595
JD 24T Engine Baler	$1495
NH 276 Engine Baler	$3490
NH 310 Baler	$2850
NH 268 Baler	$1575
NH 310 Engine Baler	$4250
MF 12 Baler	$995
JD 14T	$650

SKID STEER LOADERS AND ATTACHMENTS
NH L 445 Gas	$12,545
NH D-100 Backhoe	$2950
Mustang 1700 Diesel	$7450

SPREADERS
NH 518, 210 Bushel	$2150
NH 512 171 Bushel	$1475
NH 675 275 Bushel	$2750
NH 790 Spreader	$3000
JD N	$350
NI 218	$3850
NH S676 Spreader	$3500

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JD 1240	$1650
Auger Fill Attachment for Dry Fertilizer on 4 Row Planter	$300
(3) JD 80 Plateless Units	$110 ea
IH 56 4 Row w/fert & Insect	$1500
IH 400 Air Planter 6 Row 3 years old w/Monitor	$3250

MISCELLANEOUS
Heavy Duty Dozer Blade for White 2 150 Tractor	$850
3 Pt Hitch Rear Blade	$175
Century Sprayer w/28 ft Boom	Just Arrived

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4 row Corn Head
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New 3 row Head
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Gleaner K, cab, 10' platform, very nice
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1977 JD 4400 Dsl. w/cab & air 400 hrs. like new
1976 JD 4400 Dsl. w/cab, 1000 hrs., like new
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1975 JD 6600 Dsl., Cab, AC, Very Good, Choice of Heads
1975 JD 3300 Dsl., Cab, Air, Very Good, Choice of Platforms
1981 JD 4420 Dsl. w/cab & air, like new
1978 MF 760 Dsl. hydro, loaded, very nice
MF 410 w/cab, 13' grain platform, very nice
1976 JD 3300 Dsl., cab and air, very good, choice of heads
1973 JD 4400 Dsl., cab, choice of heads
1973 JD 4400 gas, AC cab, choice of heads
MF 35 w/8 ft. platform, Sharp.

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JD 4430 Dsl. Cab & Air Quad Shift 1976 Model Very Nice
JD 4230 Dsl. Cab & Air Power Shift
JD 4320 Dsl, WF, w/RG Cab
JD 4020 Dsl. WF w/RG Cab
JD 2520 Dsl. WFE
JD 3010 Gas Row Crop
JD 2020 Dsl.
JD 820 Diesel U (SOLD)) Hrs.
IH 1466 Dsl. WF
IH 1066, AC & Cab
IH 966, Cab
IH 766 Dsl. WFE
IH 856 D., WF, w/Turbo
IH 460 Tricycle Good Rubber
IH 450
Oliver 2255, Cab, Cat. Dsl.
Oliver 1850D, WFE
Ford 5000 Dsl. Very Nice
Case 430 Utility 3 Pt. PS, Live PTO
AC 185 Dsl. 19? (SOLD)) hrs.

BALERS

JD 346 Twine w/Thrower
(2) JD 336 Twine w/Thrower - Like New
NH 275 w/Thrower, Very Good
Gehl 1850 R((SOLD) c.

CORN HEADS

MF 24, 43, 44
AC F430, G430, C#430
AC KF330
JD 243, 244, 343, (SOLD), 443, 444, 643
IHC 843

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NH 770, 2 RN C.H. and PU
JD 35 choice of hds.
JD 38 choice of hds.
Hay Pickups to fit JD 35, 38 & 3800, NH 717, 770, 818, 880, 890, 892

DISCS

JD 12'-14'-18' BWF Rock Flex Disc
JD 11'2" & 14' AW Disc
JD BWA 11'2" & 12'6"
JD 18' BW Wing Fold
JD 230 Hyd. Fold 22' w/cushion gangs
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Hutchmaster 12' offset
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NH 479
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GRINDER MIXERS

NH 355, like new
Gehl 65
Artsway 320

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JD16A Flail Choppers
JD 148 Loader, Indep. Control Valves
JD 146 Loader, Indep. Control Valves
JD 640 Rake, Teeth Rubber Mounted
20' Speed King Wheel Harrow
IH 18.38 Rr. Axle Duals
JD 300 Picker, exc. 2 or 3R Heads Avail.
NI Wide or Narrow 2R Corn Pickers
IH 2350 Mount-O-Matic Loader
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Grove Unloading Wagon - 3 beater (Tag No 1118)	$1125 00	$ 3.00	$804.00
New Idea 213-217 Manure Spreader - 176 bu , single beater (Tag No. 1200)	$ 995.00	$ 2.00	$ 781.00
New Idea 214-217 Manure Spreader (Tag No. 1173)	$1895.00	$ 4.00	$1467.00
New - Ideal Farrowing Stall	$ 220.00	$ 1.00	$ 113.00
New - New Idea 109 Fertilizer Spreader - twin spinner	$1095.00	$ 3.00	$ 774.00
New - New Idea 456 Round Baler	$9500.00	$12.00	$8216.00

OTHER USED EQUIPMENT

Bush Hog 146 Offset Disc Harrow w/Mid-West Buster Bar
IHC 4R 3 pt Cultivator
AC 4R 3 pt Cultivator
NH #1469 SP Windrower, Exc. Cond
NH 36 Flail Chopper
Hesston PT10 Windrower
Brillion 12' Transport Harrow
MF 135 Diesel Tractor
IH 56 Hopper Blower
Used Toro Lawn Mowers
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NH #355 Grinder-Mixer, Heavy Duty PTO 11L tires, 1 only $5650
NH #230 Wagon, 8 rims, standard tongue, 1 only $620
NH #303 Liquid Tank Spreader (Demo) $7660
NH #791 Spreader $7130
NH #310 Engine Baler, Steel Wheels $6990
NH #451 Mower $1775
NH #495 Haybine $9940
Pittsburgh 3B 18" Auto Reset Plow $3150
Pittsburgh 4B 18" Semi Mtd. Auto Reset Plow $5275
Pittsburgh 12' Field Cultivator, 1 only $1295
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Dunham #22 Loader, fork and 64" pan $1995
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(2) NH 512 Spreaders
NH 518 Spreader, top beater
NH 707 Harvester w/1R Corn Head
NH 450 Mower
Bush Hog 12' Offset Disc, 26" blades, excellent condition
NH 354 Griuder Mixer
7' 3 pt. hitch York Scraper Blade w/100 h.p. rating
NH 325 Loader 54" bucket, like new
Dunham 10' Cultipacker
NH 56 Rake
NH 402 Crimper
NH 469 Haybine

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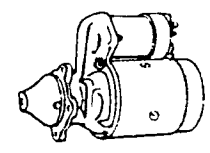

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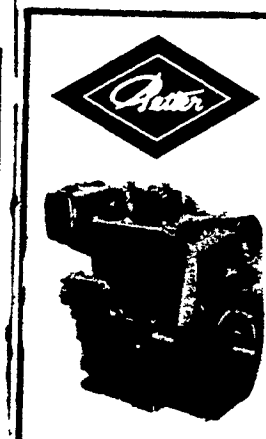

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JD 440

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IH 1468 1466 966 656 1206
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AC D14 D15 D17 B G

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AC w/ripper and bucket
JD 440 w/bucket
Oliver w/blade

OTHER EQUIPMENT

2 row Stauffer tobacco planter
3 pt rotary mowers hay rakes stone rakes
PTO corn binder on rubber
Skid steer Case diesel

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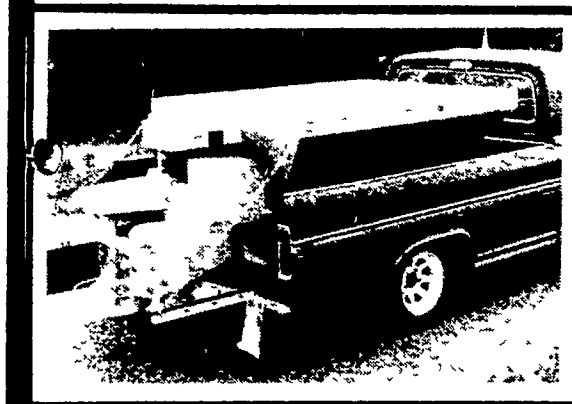

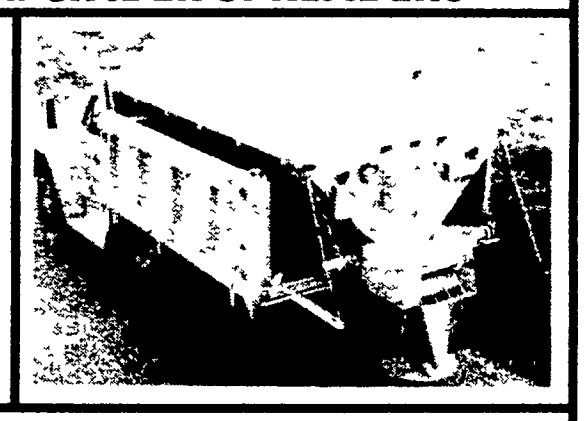

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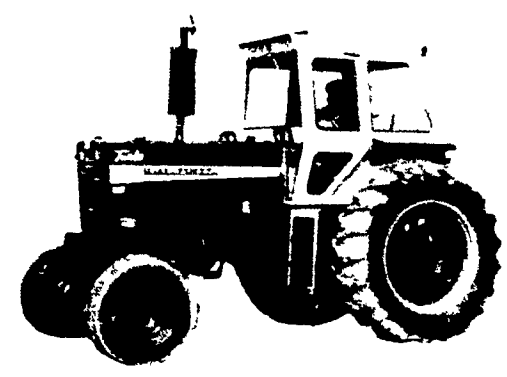

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Would Sell Any Tractor w or w o cab IH tractors w/3 pt or fast hitch
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IH 966 fully equipped w year round cab
Farmall 560 gas w wide front & fast hitch
Farmall H nice little tractor
IH 856D w/cab 18 4x38 wedge lock wheels fully equipped
IH 303 Combine later model w/3R narrow corn head & 13 grain head w/p u real
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AC XT 190 Series 3 w/cab real sharp
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JD 4020 Diesel power shift 38 rubber cab clean
JD 720 LP gas good solid tractor
IH 1456 fully equipped w/rebuilt engine TA and clutch
IH 1066 w/yr round cab SOLD rubber TA & clutch new fast fall Local tractor $9800
Farmall M with wide front
Farmall M PS
IH 37 10 disc
IH 37 baler good cheap baler
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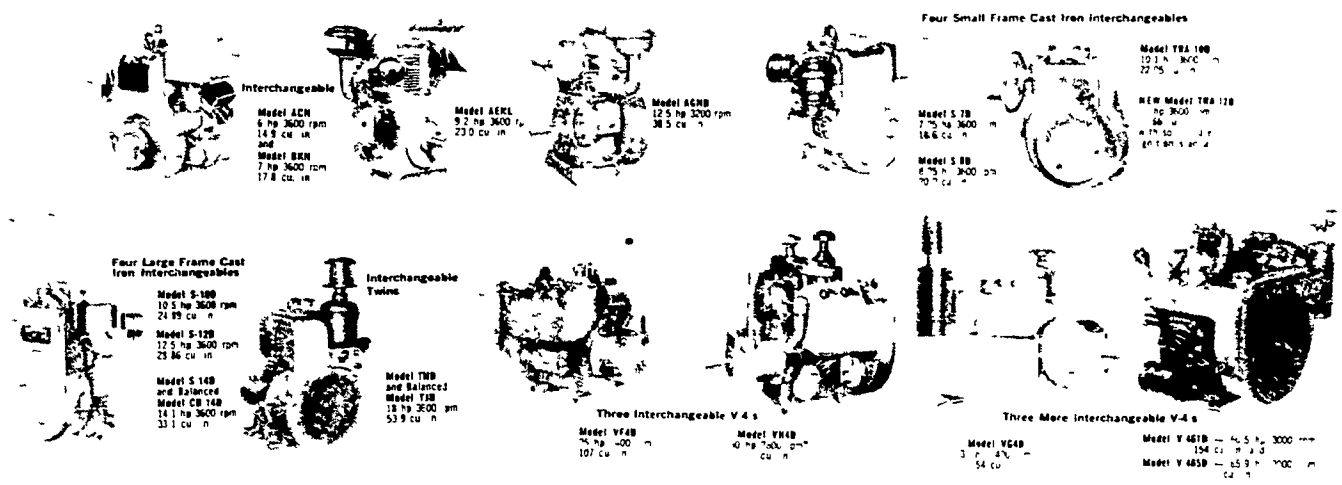
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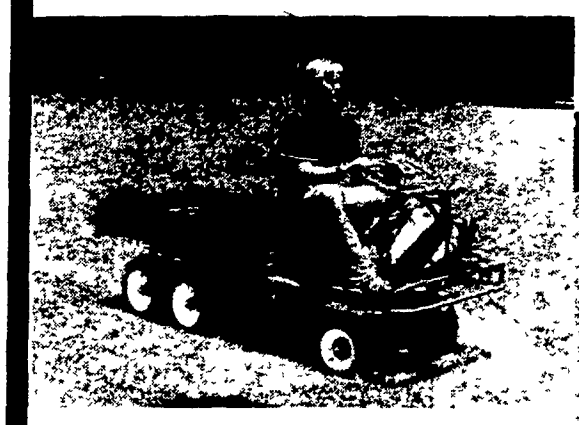
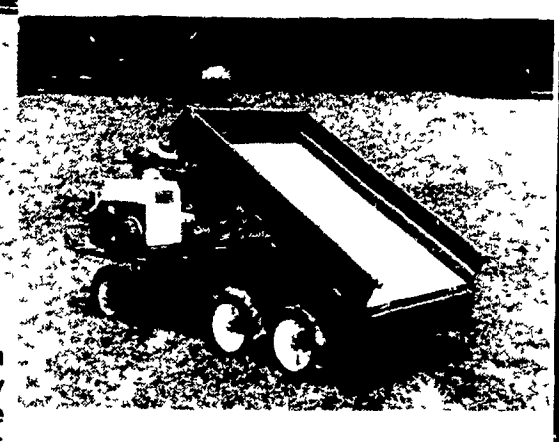
Introducing...The Incredible WU





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IH 810 13' Header for A 715 & 1440 Combine w/Pu Reel $3950

IH 2250 Loader w/Bucket $3621. $2975

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REBATES UP TO $900 ON PLOWS AND DISCS THIS MONTH

IH 510 4-18 Plow $4250
IH 510 5-18 Plow $4650
IH 720 6-18 Toggle on Land . . $8250
IH 490 20'6" Hyd Fold w/Cyl. $9500
IH 415 Packer Mulcher 12'2" 19" Packers w/Cyl. $4950

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IH 886D w/cab nice . $19,500
IH 186 D w/cab hydro nice $22,500
IH 966, D w/WF & 2 pt. $12,500
IH F-M. $1350
IH F 300 Gas w/2 pt . $1750
IH F460G, (nice) . . . $3250
IH 856 w/WF & 3 pt . . . $8950

USED CORN HARVESTING & COMBINE EQUIPMENT

IH Sheller for 234 Picker . $950
Fox 1 Row Corn Head for a 546 . $150

USED HAY EQUIPMENT

IH 990 9' mower conditioner $1850
IH 37 Baler w/thrower . . $1800
IH 15 Rake $375
IH 27 Baler w/thrower $1500
JD 24T w/Thrower . . . $1150
Gehl 72 6' Flail Chopper. $800
Grove Forage Box w/roof $850

USED TILLAGE

IH 53 4R 2 pt cultivator, nice . $1450
IH 720 6f 18" like new w/cylinder, toggle trip. $6500
IH 315 - 12' packer mulcher $2150
IH 475 20'6" disc $5750
IH 540 4F 16" w/cyl. plow . $1350
IH 710 5F 16" plow w/cyl. $2250
Ford 6' disc, 3 pt , Like new $500

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JD 79 Tub Spreader $850
NI Model 211 Spreader (Nice) $1350

USED PLANTERS AND DRILLS

IH 56 4 row w/insect . $1950
IH 400 4 row 38" $2500
JD 494 A w/new hoppers $1350
Ontario 14x8 drill (nice) $850
IH 400 6 R 30" Planter, w/insect $4500
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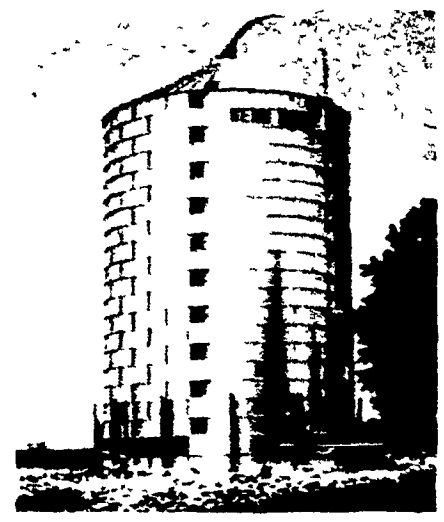

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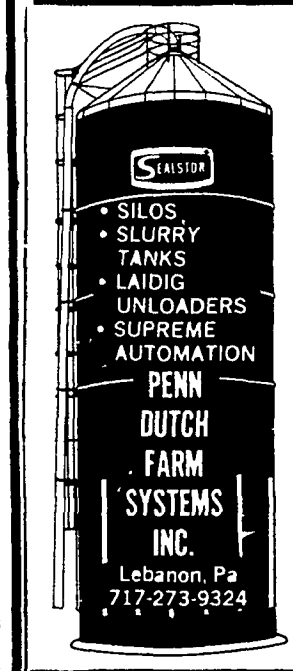

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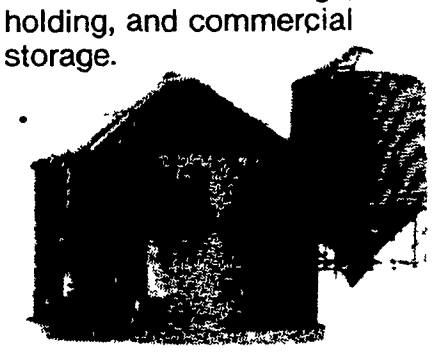

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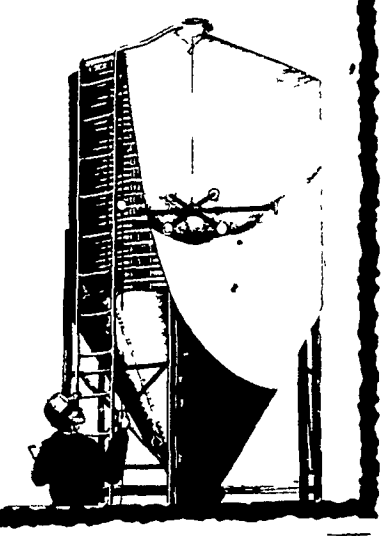

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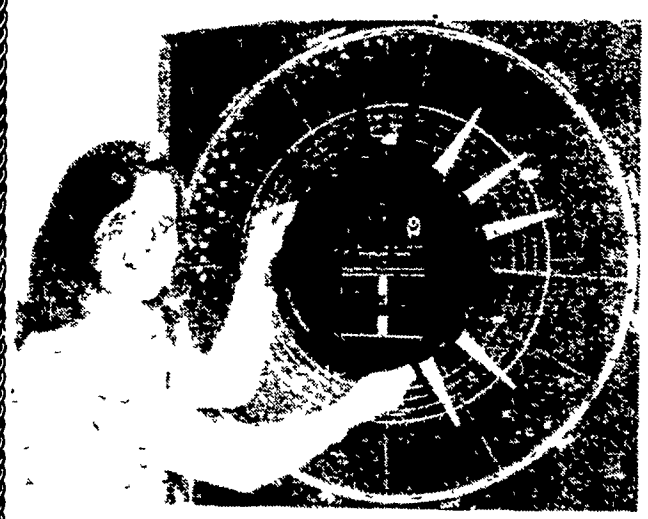

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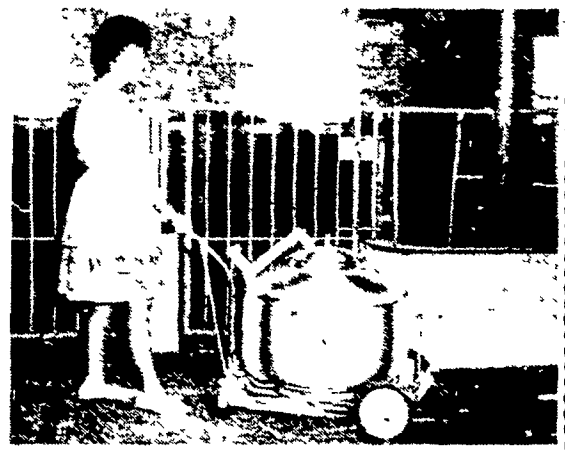

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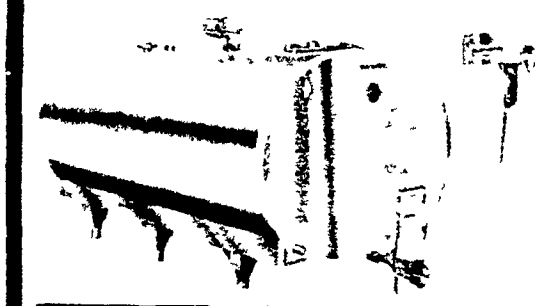

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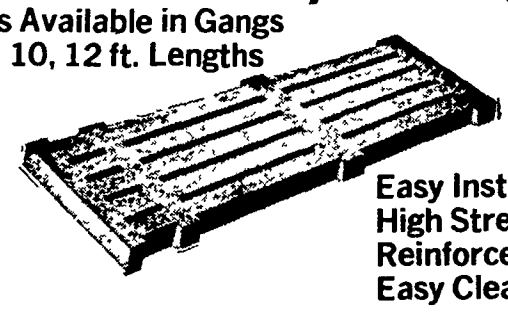

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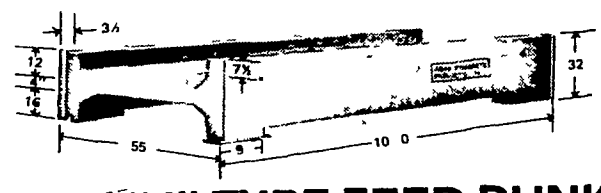

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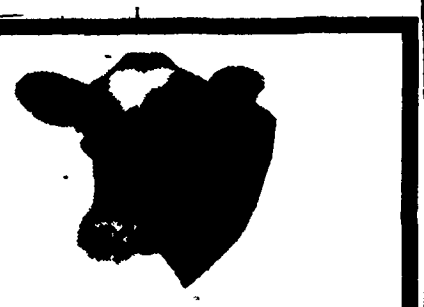

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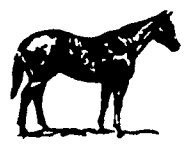

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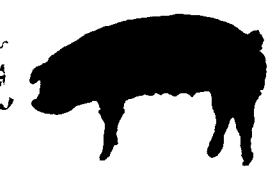

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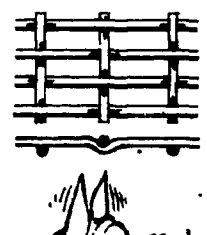

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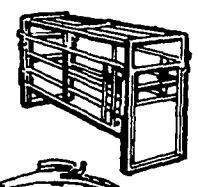

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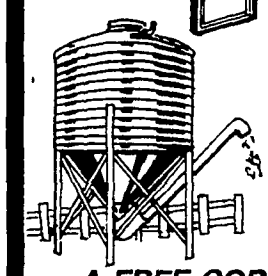

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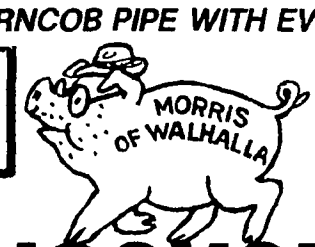

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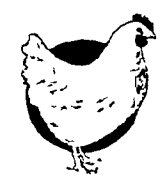

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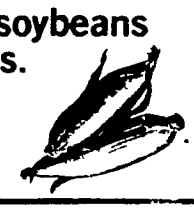

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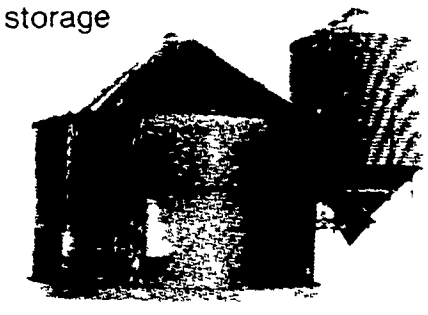

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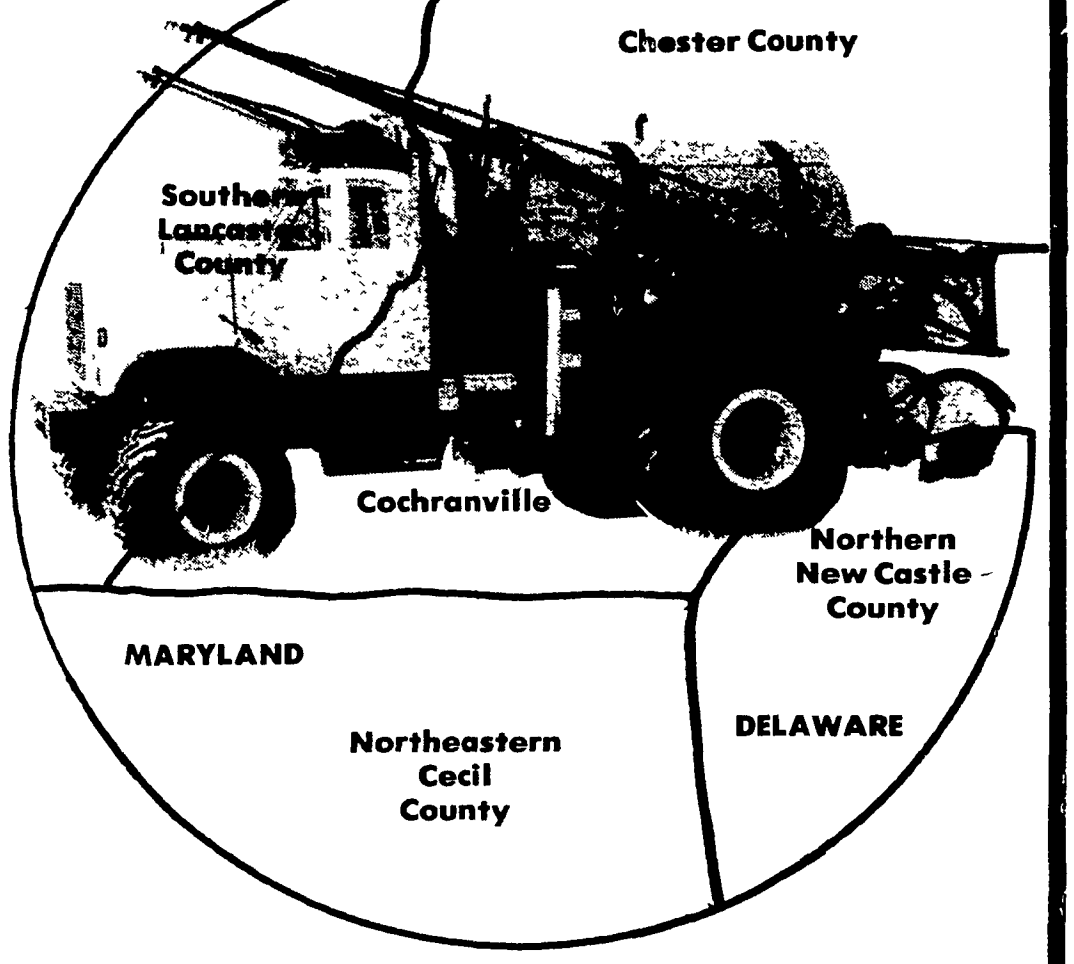

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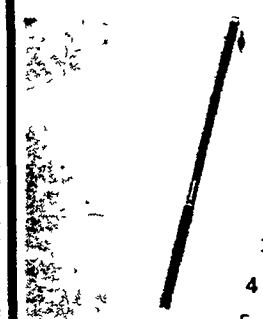

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REFRIGERATED STORAGE TRAILER
1969 Fruehauf 39' tandem FB6-F2-39ST NWD30 Thermo King.

16' ALUMINUM VAN BODY
1977 Morg 1, pre-painted white aluminum panels, overhead rear door, curb side door, 10" dock bumper & slated interior w/or w/out liftgates

Complete maintenance records available for inspection. Other makes, Models & types to choose from.

TRUCKS & TRAILERS

For Sale - 116' gooseneck trailer with dump 15000 GVW removable sides. 717-786-1882. $4950

1978 Int. truck model 1800, 446 engine, dump frame bed, 17,000 miles, like new 717-225-6247

73 GMC single axle conventional tractor, 238 10 speed $5000, New Way tag w/air bags $600, Fontaine manual sliding 5th wheel $500 717-442-4415

One of a kind, 1978 Ford, LN800, 477 V-8, PS, air brakes, 1100x20 tires, 156" CA, custom cab, 35,000 GVW, 77,000 original miles, truck is like new 301-877-9889

1977 Chevy C-30 w/350 engine 4 spd., 12'. Hostettler stock body, 35,000 miles good rubber. Phone 717-349-2838

Chevrolet Dooley body for sale, 1978 Scottsdale good condition. Call evenings 609-758-7586

For Sale - Fruehauf tanl trailer, 3 compartments, 6750 gal capacity Call evenings 215-384-1447

12' cattle truck bed w/compartment over cab, D K Hostetler bed 814-684-0798

For Sale - 1961 Jeep ¾ ton truck, 4WD, good shape, $750/offer or trade for pigs, calves, tractor or lawn tractor 301-557-9420

Hay hauling rig Inter'l tractor, S/A, 238 Det engine, sleeper, rebuilt car carrier trailer, complete with chains, tarps, etc. superb cond and reas priced Contact J H Mears, Amissville, VA 22002, 703-937-5656

TRUCKS & TRAILERS

For Sale - Hydraulic clamp and fork lift truck. Brakes disc type hydraulic brake Steering: two rear wheels 180° Batteries Six 6-volt batteries in series (36 volt system) with charger. Tires. 4 pneumatic tires Clamp. 44" roll. Capacity 20" load center, clamp on 1540 lbs, forks on 2,000 lbs. Height: 6 ft 6 in Width 3 ft. 6 in Phone Sam Crist, Columbia News, 717-684-2125.

'79 Kenworth NTC 350 w/Jake RTO 12513, 38,000 suspension 20,000 mile needs cab. '75 White NTC 290 10 spd. Sell or trade for JD tractor (215) 459-0700

1969 Int 1890 dump 33,000 2 axle Eager Beaver Trailer. 215-273-3974

Tires. 4 11/5 Pro trac tat Herbers on Dodge 5 bolt white spoke truck rims - Also fit Ford models - Excellent. $300 negotiable 717-395-3364

1973 Int. 2070 lime truck, 290 cummings 10 speed, 14' box and pub trailer, licensed 80,000 717-865-6710

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1975 Dodge 360 V8 4 WD, stake dual wheels AT, PS/PB, frame trailer hitch 11,000 GVW 23,000 miles. $4,195 717-229-2393

1975 International truck 27,000 GVW, 345, 5 speed x 2 Zbarted cab only, no bed. $2500 717-395-3364

TRUCKS & TRAILERS

'81 Ford F250 ¾ ton, 4 wheel drive pickup, 302 four speed, PS/PB, lockout hubs, $5,975. 717-859-3291 or 717-733-4884

1964 Int R-200 dump body, grain truck, 33,000 GVW rebuilt 6 cylinder 22' steel flatbed truck body 215-666-5410 after 6

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Rt. 322, Milroy, Pa. 17063 717-667-3921

Livestock Trailers
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1981 Ford F100, Custom, 4 2 Liter, V8, Auto., PS, PB, AM-FM, 12,000 Miles, 2 Tone Silver and Maroon . . $7995

1980 Chevy C10 Custom, 260 6 Cyl., 3 Speed, AM Radio, 20,000 Miles $5995

1980 Chevy C10 Custom, 6 Cyl., 3 Speed, PS, AM-FM & Cassette, 36,000 Miles $5295

1979 Chevy LUV, 4 Cyl., 4 Speed, AM Radio. $3995

1979 Ford F150 Super Cab, 302 V8, Auto., PS, PB, AM-FM Stereo, Bench Seat In Rear, 31,000 Miles $5995

1979 Plymouth Arrow Sport, 155 CID 4 Cyl., Auto., PB, AM-FM Stereo, 29,000 Miles . . $5495

1979 Ford F100 Custom, 351 V8, Auto., PS, PB, Air Cond, AM Radio, Dual Tanks, 28,000 Miles. . $5995

1979 Ford F250, V8, Auto, PS, PB, AM Radio $5295

1978 Ford Ranger XLT, 351 V8, Auto, PS, PB Air Cond, AM-FM & 8-Track Tape, 2 Tone Paint, White Spoke Wheels, Very Clean $5995

1978 Chevy C20, with Reading Utility Body, 292 6 Cyl., Auto., PB, New Paint $4895

1976 Ford F250 Custom 360, V8, 4 Spd, PS, PB. $2995

1974 Ford F100 302 V8, Stick Shift, 68,000 Miles $2495

1970 Ford F-100, 360 V8, 3 Speed, AM Radio . $1495

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4 WHEEL DRIVES

1980 Ford F150 Ranger XLT, Short Bed, Step Side, 302 V8, 4 Speed, PS, PB, AM Radio, Lockout Hubs, Sliding Rear Window 28,000 Miles. $7495

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1979 Ford 150 Custom, 351 V8, Auto, PS, PB, Air Cond, AM Radio, 35,000 Miles. $6995

1979 Subaru Brat, 4 Cyl., 4 Speed, AM-FM, Rally Wheels, 1 Owner $5895

1977 Chevy Blazer Cheyenne, 350 V8, Auto., PS, PB Air Cond. AM-FM, Tilt Wheel $4995

1977 Chevy Suburban, 305 V8, Auto, PS, PB, AM Radio, 40 Gal Fuel Tank, Dbl Doors In Rear . $5495

VANS

1981 Ford E-150 Cargo Van, with Windows, 300 6 Cyl, 4 Speed, Overdrive Trans., PS, PB, AM Radio, 138" Wheel Base, 24,000 Miles $6995

1979 Ford E250 12 Pass. Club Wagon, 351 V8, Auto., PS, PB, AM Radio, 26,000 Miles $6995

1978 Chevy ½ Ton Panel Van, 250 CID 6 Cyl., 3 Speed, St. Shift, Gauges, 29,000 Miles. . . $4895

1973 Dodge Panel Van, 318 V8, Stand. Shift, Carpeted Interior $2495

DUMP TRUCKS

1975 Int. 1800 Series, 392 V8, 5 Speed, 2 Speed Rear, PS, Air Brakes, 30,000 GVW $6995

MIKE RHODES & CO.
"THE TRUCK PEOPLE"
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TRUCKS & TRAILERS

'75 GMC dump truck 11,000 lbs. GVW PS/PB, good condition 717-786-4108

1973 Tri-Brook, 26' Aluminum dump trailer, high sides, 22' tires, just inspected. Good condition 717-733-6077

1975 Dodge D-800 dump truck 16' bed and 42" sides 413 engine, 5+2 spd rear 10.00x20 tires, air brakes, PS tarp and straps, real nice, ready to go priced to sell $7000 717-394-3752 eves.

TRUCKS & TRAILERS

2 Dahlman potato bulk bodies on Dodge trucks complete with transfer cases. Bodies like new Reasonable 609-259-2207

1967 Chev truck, gas, 5 spd., 25D rear, new paint, inspection, 900 20 tires, 717-367-6496

1966 D R 335 V-8 gas, 5+2 speed rear, 20 yard leach body, 1966 D.R 6V71 Detroit 5+4 trans., $38,000 rears, 25 yard Pack more body, 1960 Ford 477 gas, 8 speed S.A. dump, Call after 6 717-292-2625

TRUCKS & TRAILERS

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Utility Livestock Trailer with removable top great for hauling small machinery as well as cattle $1995.00 Hostetler 717-667-3921

New Dump Hoist for 9' to 12' farm bodies. Complete with pump, hardware and safety prop. Not installed. $785.00 Other sizes available. HOSTETLER 717-667-3921

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New 12 Gooseneck Grain Trailer with hoist - 2 axle single wheel 5 ton payload $4685 Hostetler 717-667-3921

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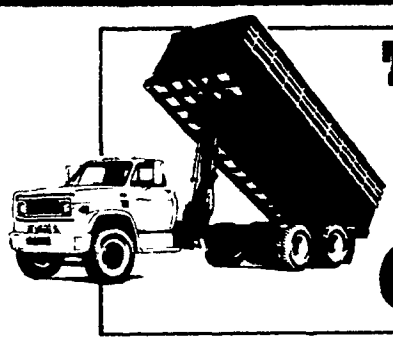
'74 IH cabover sleeper, 318 Detroit, twinscrew, low mileage, 10.20 radial tires, sliding 5th wheel, PS, $9,500 215-286-9510



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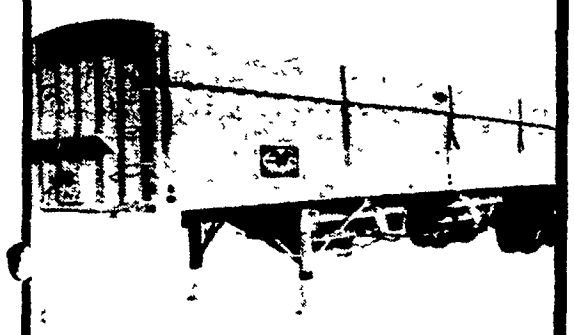

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2½ ton, 5 sp high-low range Army trucks, 1 gas, 1 diesel, 9.20 tires, tandem axles, $3400 gas, $4200 diesel 609-769-3183

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1953 Dodge 1500
gallon tanker,
good engine, good
rubber, $800
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PETS

Doberman and Rottweiler Wonderland, over 100 puppies and adults for sale Champions at stud 215-933-3600

Wanted Puppies, all breeds Jack's Dog Farm, Rt 611 Pipersville, PA 18947 215-766-8802

AKC registered Labrador retreivers, male puppies 9 wks old, shots and wormed $100 each Lycoming Co 717-435-2215

AKC Springer Spaniel puppies for sale 717-295-9091

For Sale - reg Doberman Pinschers, black w/rust markings, feeder steers 215-926-5280 Berks Co

Puppies wanted - purebred and mixed, will pick up. Write Puppies, 296 S Vintage Road, Paradise, PA 17562 with price and directions or phone 717-442-4259

FREE KITTENS Call 717-656-9448

MISCELLANEOUS

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Discount prices on firewood by the trailer load Fast loading Call after 5 P M 717-494-1626

All Free 5 yrs labor and parts, warranty pto shaft, freight carted 5 KW exter, with 30 KW Pincor standby alternator, 46KW $1700 Lanc Co 215-445-5309

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For Sale - 1500 aged and cut 8 locust posts, $2.50 each 717-687-8364 between 8 and 5 Mon -Fri

For Sale - Used buggy, good condition Hydraulic brakes $650 Mary L Lapp 2952 Irishtown Rd., Ronks, PA 17572

1947 Cessna 140, C-85 12, 7 hrs., TTAF-3341 hrs., Cleveland wheels & brakes, Mark III 90, EYRD, 2 fuel tanks, wheel pants, Ceconite wings, metal tail Lic to 8-82 717-938-1625 Call in evenings after 4

Ideas, inventions, new products wanted for presentation to industry Call free 1-800-528-6050 Arizona, 1-800-353-0458 X831

For Sale - 105 Ingersoll Rand portable air compressor $800 717-665-7028 after 6 PM

For Sale Amish summer carriage, excellent condition $1500 Call 717-656-9448

For Sale - Top buggy w/rubber tires and hydraulic brake A-1 condition 717 354-7875

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For Sale - Prizer Cook Stove, excellent shape 215-593-5754

MOVING SALE 14.3 cu ft no frost Whirlpool refrigerator/freezer, White, mint condition $400-negotiable 1 green/white short shag carpet approx 11'9' 1 beige pile rug approx. 4'x6', make offer Phone Karen at 717-626-1164 8-5 or 717-627-5924 after 5 30

PETS

MISCELLANEOUS

FOR SALE New and used automatic washers dryers, gas and electric refrigerators, ranges used wringer engine washers, new bedroom furniture Open 7 30 to 4 30, Saturday 7 30 to 12 00, evenings by apointment Myer's Washer Dryer, Rt. 772, between Brownstown and Leola 717-656-7169

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Locust posts for fencing, Landscaping retainers along banks, driveways, gardens, flower planters, compost piles, sandboxes, etc buy 500 get 30 free 717-755-5587

Wanted - rejected milk Sale - '63 Econoline ½ ton 1968 Chev stick shift This ad appearing monthly in mailbox market Chester Co 215-347-2232

For Sale - Oak and Hemlock fence boards, sawed locust posts Oak, poplar, white pine and hemlock lumber Moyer's Sawmill 717-867-5316

For Sale - Fisher drums liquid and dry, Wiss Acres Lehigh County 215-298-2057

One 10x12 walk-in box, one 8x8 freezer, one 16' meat case single duty plus misc butcher equipment Call after 7 30 P M 609-882-0720

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Old Oriental Rugs
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REAL ESTATE

RAISED RANCHER Country property on 21 acres mostly wooded living room with large stone fireplace dining room, mod kitchen 4 bedrooms, 2 baths Includes custom made drapes and shades Lg family room, inground pool, barn and fenced corral $165,000

Gilbertsville Large colonial style home, 9 rooms and bath in good cond 84 acres with 1400 ft road frontage $250,000 Owner financing available

Wernersville Area Beautiful home, 10 rooms, 2 baths, wood floors, barn garage, guest quarters, spring, stream and pond 12 acres mostly wooded $147,000 Owner wants offer

Near French Creek State Park pre-revolutionary farm house, living room with fireplace dining room/family room w/fireplace, large modern kitchen, 4 bedrooms, 2 baths, den, full basement, barn, dog kennel Guest quarters - living room/bedroom w/fireplace, kitchen and bath 80 acres Owner anxious to sell $379,000

Victorian home - 3 story brick and stone 15 rooms 2 fireplaces, 2 baths with office $100,000

Strout Realty, Inc 215 367-2018

MISCELLANEOUS

NOTICE
When Central Tractor Farm & Family Center Has A Sale At Any Store, Many Times Weaver's Hardware Co. Has The Same Sale!
CALL FOR STOCK CHECK!
WEAVER'S HARDWARE CO
RD 4125,
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Suzuki, 1980 GS450T, maroon metal flake paint w/pin stripes, polyglycoat, star wheels, 6 speeds w/LED gear position indicator, storage compartment under seat Many extras Before considering spending $1000 more for 1982 bike, check this one out Perfect condition, garage-kept, never intentionally rode in rain, sharp looking, $1300 negotiable. Call 717-285-3051 or 397-2093

See us for details on 5 yrs. or 50,000 miles free warranty.
1978 Jeep Wagoneer, cloth seats, like new.
1980 Chrysler Cordoba, Crown Auto. Steer, & Air.
1981 B-350 Maxi Van 15 Passenger, Like New. Double heat & double air. Special Edition, fully equipped, 8000 mi.
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"Jo Jo the Dog Man"

I need nice Shepherd, Collie & Terrier pups. Also - cute Peek-A-Poos, Cock-A-Poos and anything cute & shaggy.

I need good healthy, clean pups, pure & mixed breeds, 6-8 weeks old. Offering extra high cash prices.
Baskets of cash waiting for you!
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Root's Farmer's Market
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Every Tuesday 5 PM - 8 PM
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- Carnation Hot Chocolate Machine
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- Stainless Steel 48" Equip Stand w/Overshelf
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- 8 Ft Stainless Steel Work Stand w/Undershelf
- GE Rocket 29" Electric Griddle
- GE Elec Hot Table w/3 Full Size Inserts
- 60" Bev-Air Fountainette w/2 Door Ref & 9 Condiment Pumps
- Taylor 961-33 Dual Tank Soft Ice Cream Maker
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- Bunn-o-matic Pour Over Coffee Maker w/ Warmers
- Corry Auto Coffee Brewer
- NCR Class 5 Cash Register w/Auto Changer

Ideal Equipment For Dairy Store Operations... Call For Prices!!

REAL ESTATE

For Sale - 43 flat wooded acres with road through the land, $60,000, terms available, Reading, PA 215-373-7533 Ron Heckman's Real Estate

FREE CATALOG! Describing numerous Pennsylvania farms, camps, acreage tracts, cottages, homes and businesses Write Dept LF-6, WEST REAL ESTATE AGENCY, INC, 5528 William Flynn Highway, Gibsonia, PA 15044

FARM WITH 3 PONDS

Troy, Pa school district, beef or dairy farm, 168 acres, 80 tillable, 34 pasture, 54 in woods, spring water and 3 private ponds; 500 ft paved road frontage, 4-bedroom & bath home, all storm windows, furnace heat, main barn with 50 stanchions, heifer barn with 20 stanchions, 3 silos, 16x20 milk house, bordering state gamelands for deer hunting, 10 minutes to state park $135,000 No B-7850 WEST REAL ESTATE AGENCY, INC, Office 12 Canton Street, Troy, PA 16947 Phone (717) 297-4046 or 297-2777

BARN-ACREAGE WATER

Near Troy, Pa in Bradford Co, 95-acres with barn, both tillable fields & pasture area, 15 wooded acres, spring & small stream, paved road with school bus service, a great investment or homesite! No B-7888 WEST REAL ESTATE AGENCY, INC., Office. 12 Canton St., Troy, Pa 16947 Phone: (717) 297-4046 or 297-2777

FANTASTIC SETTING

In the South Mountains near Historic Gettysburg, Pa, lovely year-around 3-bedroom & bath A-Frame cottage with 3½-acres, 2-car garage, fabulous wooded setting. $49,900. No. 5822. WEST REAL ESTATE AGENCY, INC, Office. R.D. #1, Newburg, PA 17240, Phone (717) 423-5508 or 423-6196

BUY OF A LIFETIME

Troy, Pa. area, nice 4-bedroom & bath country home with 15 acres, small pond, 2-story barn, 2-car garage shed. $35,000 No. B-7863 WEST REAL ESTATE AGENCY, INC, Office 12 Canton Street, Troy, PA 16947 Phone (818) 297-4046 or 297-2777

RECREATION-INVESTMENT

Lycoming County near Roaring Branch, Pa 114 acres mountainland for hunting, recreation & investment, paved road frontage, 90% wooded, cleared sites for homes, cabins or camping, approx $533 per acre for entire parcel No B-7897 WEST REAL ESTATE AGENCY, INC, Office 12 Canton St Troy, PA 16947 Phone (717, 297-4046 or 297-2777

79 acres 40x78 barn with 15x50 addition, 12x35 silo, corn crib, 1½ story house, 30x40 garage, 2 story shop 16x25 Located in center of Amish community along hard top road $45,000 John Troyer, R R 2 Box 62 Norfolk, N Y 13667

174 acres Clinton County river frontage and mountain land Excellent hunting and fishing Virgin Timber, gas and oil wells in area 717-494-1626

York County Farm - 107 acre Dairy Farm w/50 stanchions, 2 silos for $195,000. 717-259-7122

For Sale by owner 400 acres dairy farm on Lake Ontario New York 2 sets buildings, shore frontage Will finance interested Call 315-649-2455

For Sale by owner - 59 acres, Union County, near expanding town, good for residential or commercial development, 700' road frontage 717-966-0656

REAL ESTATE

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Big Summer Catalog! Over 5,400 country properties described, pictured! Land, farms, homes, businesses, recreation, retirement values!

STROUT REALTY, Inc.

P O. Box 773A, Dept. 6490 Harrisburg, PA 17102 CALL TOLL FREE 1-800-641-4266

For Sale - 200 acres, presently horse farm, partially board fenced, barn, new stalls, remodeled 3 bedroom house Prime hunting Port Allegany, Pa 814-642-2153

115 Acre farm Northumberland County 100 acres tillable, 10 acres pasture, 5 acres around house, nice brick house, spring in back yard $135,000.00 717-286 0332

SALE OF A TURKEY FARM BY UNITED STATES GOVERNMENT

Farm containing 24 acres, 5 cropland, 8 woodland, 2 pasture, with balance in farmstead and roads 3 story 40x100 ft brooding house, 40 x 200 ft brooding house, 60x360 ft. rearring house, 60 x 480 ft brooding and rearring house, 60 x 600 rearring building, 27 x 45 split level building for machinery and storage, 3 two bedroom apartment buildings, 5 holding bins with total capacity of 88 tons, 54 x 48 ft 2 story dwelling, 12 rooms, 2 full baths and 2 half baths, 2 fire places, 3 stairways from the 1st to 2nd floor, remolded in 1968; 2 story 30 x 48 ft garage. Formerly owned by Daniel E. and Barbara J. Melhorn, located in Township of Menallen, County of Adams, PA 3 miles west from Bendersville, PA.

BID DEPOSIT Bid must be accomplished by cash (sent at bidder's risk), certified check, cashier's check, postal money order, bank money order or personal check, payable to the Treasurer of the United States, for at least 5% of the total bid

RATES AND TERMS Cash or terms of not less than a 5% down payment with the remaining balance amortized over a period not to exceed 25 years at 14¾% interest

TERMS OF SALE Contact County Supervisor, Farmers Home Administration, Post Office Box 308, Gettysburg, PA 17325, for appointment to inspect the farm. Sealed bids are invited and will be accepted until 10 00 a m EDST, 15 June, 1982, at the Farmers Home Administration, Post Office Box 308, Gettysburg, PA, and will be opened publicly at 11 00 a m, EDST the same date and place The Government reserves the right to reject any or all bids This farm will be sold without regards to race, color, religion, sex, age, national origin or marital status

For further information and bid forms may be obtained at the Farmers Home Administration, Post Office Box 308, Gettysburg, PA 17325, Telephone (717) 334-9231.

Beef and hog operation for sale near Millmont, PA 95 acres tillable 22 acres pasture, large stream limestone soil, farm in high state of cultivation 717-922-1410

Chester Co, 24A farm w/200 yr old house, large barn for horses or steers & garage/shop combination Also pond, pasture & tillable fields Call Neighborhood Realty, Jordan Inc 215-269-8000 or Frances Cowen 215 857-3762

REAL ESTATE

120 acre farm for rent or sale Cumberland Co., 4 bedroom house all improvements, 3 bedroom mobile home, bank barn, for beef sheep or hogs Plenty of water for pasture or irrigation 717-249-1165 after 5:00 P M

Must sell by June 30, 1982. 200 acre farm Excellent for hogs, cattle, horses, sheep or development. Gas under and mineral rights go to purchaser. Joins State Game Land offering excellent hunting 814-623-9223

BAUGHMAN REALTORS - 45 acre Amish farm, hogs, beef, and tobacco, 38 acres tillable, 7 pasture acres w/spring, 4 BR house shaded by 7 large maple trees (201858) PLUS about our 146 acre farm (103526) and our modern hog operation Amish 69 acre farm (200598) 717-741-4671

1 6/10 acre Retirement Home? Open for bids under $30,000 Near level, in the beautiful hills of W. Va 10 yr. old, 1 floor, 5 rooms and bath, 40x32 house, basement, well, electric heat or wood Woodlot, small pasture, young fruit trees, berries, garden, amidst evergreens, roses, shrubs, etc, friendly community Owner cured of lung disease, intends moving closer to Mennonite Settlement 1-304-772-3146.

2 acre property w/meadow and new barn, 30'x60', for any type of animal 2 car garage w/workshop 2 bedroom house w/open stairway Large amount of fruit trees and garden space 717-665-5509

York Co, Dover Twp., 36 acre farm, completely remodeled farmhouse, 2 bedrooms, 1½ bath, attached summer house, lg. barn, exc. condition, $160,000, 12¾% assumable mortgage. No. brokers 717-292-5298, 848-6765

For Sale - 3 bedroom house and grocery store with snack bar, country setting, North Lancaster Co. For further information write 305 Lexington Rd, Lititz, PA 17543 or call 717-626-2995

For Sale by owner. Tioga County 250 acres 150 tillable, some woodland 2 barns, silo, workshop, 2 houses, trailer lot On paved road near College Town Trout stream Good hunting Call Monday through Thursday after 6 00 P M 717-549-2343

77 ACRES, 1300' frontage on Rt 443, Friedensburg 50 till, 27 wooded, asking $3,000 A, 2 car garage on hwy perfect produce stand By owner 717-739-4673 40 ACRES, House and Barn across highway, different owner

For Rent - 80 acres, barn holds 99 head, barn cleaner, dumping station, 5500 bulk tank, large silo w/automatic unloader, trench silo, etc, more land available 717-965-2068 after 4 30

Acreage for Sale - Perry county, Newport area, 3½ acres woodland, perk tested, ready to build, good roads, very private $12,500 717-865-5957

Choice 84 acre working farm 2 miles N E of Mansfield, PA. Recently renovated Colonial home w/new well and septic system Barn is 100x50 w/separate well. $110K Owner financing 717-662-2265

New log home with large stone fireplace on 14 acres Close to State Game Lands Excellent hunting area Catharine Township, Blair County $59,500 Raystown Lake Real Estate Information Residential, cottages, land investment opportunities 814-643-1004

REAL ESTATE

SHENANDOAH VALLEY

100 acres extremely fertile cropland adjacent to new Hershey plant at Stuarts Draft VA $148,500 For Details on this and other fine properties contact Art Canning

CANNING LAND CO.

P O. Box 1236 - Staunton VA 24401 Dial 703/885-0321

FOR SALE

Nice part-time farm property - 44 acres in Westfield Twp. Tioga County, Pennsylvania. House is in fair condition, structurally sound but interior in need of finish work. Barn is in good condition. Property would make excellent hunting camp. Financing available to qualified buyer(s). Asking price $29,900. For more information contact Rick Bowen at Headwaters Farm Credit Service, P.O Box 508, Wellsboro, PA 16901. Telephone: (717) 724-1961

FARM FOR SALE

37 acre hog farm w/100 sow capacity farrowing unit house, historic stone farm house, bank barn, several other storage barns and shed Possible owner financing Located within 40 minutes of downtown Wilmington, DE, and 45 minutes of Lancaster in Southern Lancaster Co

If interested contact:

Lancaster Production Credit

R.D. 1 Box 27A Quarryville, PA 17566

CHESTER COUNTY GREENHOUSE OPERATION

7 acres, 6 greenhouses, 21,300 sq. ft. of growing area. Fully equipped, 598' road frontage. 1000 evergreen trees, Workshop 2 garages, stand-by generator (25,000 capacity), CO_2 generator. All equipment & buildings in excellent condition. Modern stone 3 bedroom, Cape Cod home with inground pool, Just reduced.

MARTEN'S REALTY LTD.

Douglasville, PA 215-385-6081

Executive Estate Price Reduced

Inground pool, Tennis Court, Horse Barn, Fenced Pasture, 48 acres, 30 cleared. Hill top setting with outstanding view of county. Custom built ranch home, with 3 bedrooms 3 fire places, one with insert, also wood stove. OHA-A/C Country Kit Dishwasher, Disposal, and Micro-wave oven. Must be seen to be appreciated. New Price $148,500. Conv or S/A Poss Seven Stars, Juniata County.

C.M. Detweiler Inc. 761-1910 Lister 1-717-789-3857

Investment Opportunity

1291 acres prime Southern Minnesota farmland, priced for quick sale. Some tile. Can be purchased as one unit or in parcels. 1983 possession. Owner will lease back. Detailed brochure sent on request.

Norb Hamilton Realty

RR 2 Box 51 Elkton, MN 55933 507-584-6834

REAL ESTATE

FARMS, FARMETTES, LAND

Exclusive Listings throughout Central PA

- 14 Operating Farms - Bedford, Blair, Centre, Clinton, Huntingdon, Lycoming, Northumberland, Montour & Somerset Counties
- 7 Farmettes - Centre, Clinton & Huntingdon Counties
- 30 Rural Land & Cabin Listings

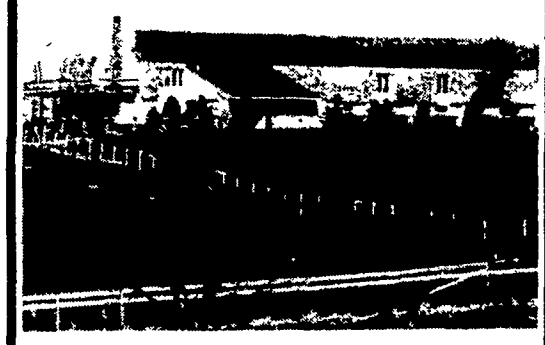
Please call or write for free detailed lists. See May 29th/June 26th issues for complete farm inventory

FARM AND LAND DEPARTMENT

Fred Strouse (814) 364-1705 (Lewisburg) Larry W Platt (717) 568-5563
Don Myers (814) 422 8111 (Bedford) Richard D Reed (814) 839-4271
Mel Rockey (814) 466-6688 (Huntingdon) Rachel Port (814) 669-4194

KISSINGER LEONARD & ASSOCIATES Realtors

Frederick J Kissinger, Realtor
William H Leonard Realtor
245 S Allen St, State College, PA 16801
(814) 234-4000



' STARS & BARS FARM now for sale Ready to go horse operation Whether you show event race or breed this outstanding stable will impress you with conveniences such as automatic waters plenty of fencing hot walker heated wash stall breaking pen and much more Adjacent to King Ranch in the heart of Unionville Hunt Country With 30 acres 2 residences and attractive financing You really shouldn t miss seeing this one!

SOUTHERN CHESTER COUNTY - exceptional 74 acre dairy with 80 free stall barn parlor and lovely remodeled farmhouse all in excellent condition ready to move in with many extras & outbuildings

4 FIREPLACES! There s a lot more to this renovated colonial like 5 bedrooms family room with wet bar lots of living space in-ground pool and barn You ll have to see it to believe it with 10 acres too!

MUSHROOM OPERATION 10 double mushroom houses dirt shed on 24 acres near Avondale Ready to go call for more details

NORTHERN CHESTER COUNTY — 173 acre dairy farm with large stanchion barn and beautiful brick farmhouse in East Fallowfield Township with terms available and will divide

ERA

ERA ARNOLMONT REALTY

Rt 41 and Rt. 1 Bypass, Avondale, PA

215-869-8711

CENTRAL NEW YORK OFFICE

"IDEAL FOR YOUNG FAMILY", this 260 acre dairy would be a nice place to settle for life and offers you an income the day you move on There are 130 acres tillable and some is in alfalfa Barn has 40 ties, dump station, Patz cleaner, two 14x40 silos Heifer barn for 18 Center Hall Colonial home INCLUDES 45 Eastern-bred Holsteins 3 John Deere tractors and full line of machinery $170,000 COMPLETE PHOTO BROCHURE

FARM MACHINERY DEALERSHIP 1977 building has 5000 sq feet downstairs and 2000 up Comes with 10 acres in high-priced agricultural area above NYC JUST LISTED! $150 000 CALL WIMPLE'S SLOANSVILLE HEADQUARTERS 518 875-6355 FREE DAIRY CATALOGUES

SOUTHERN NEW YORK OFFICE

NEAR WELLSVILLE: 255 acre farm near Penn border has 130 tillable and grows good shell corn and alfalfa Neat and clean 10 room home with free gas heat and 24x24 garage Two story heifer barn, implement shed and hen house ASKING $125,000 MANY OTHERS FREE SOUTHERN NYS CATALOGUES CALL WIMPLE'S TRUMANSBURG OFFICE 607-387 9303

ST. LAWRENCE VALLEY OFFICE

URGENT SALE ..JUST LISTED! Owner very ill and must sell this beauty with tremendous line of machinery 297 acres with 200 tillable, good loam soils Barn accomodates about 70+ head and will milk up to 56, has Badger cleaner to manure room, dump station, full length mow elevator, 14x50 and 12x50 silos, Jamesway unloader with auger into barn 8 ton metal grain bin in loft Many time-saving features Gracious 4 bedroom home with many new features INCLUDES White 2 85 4WD w/cab & only 300 hrs use, JD 4030 w/loader, self propelled IH combine and some of the nicest machinery we've seen in years, even hand tools! BEING SACRIFICED AND FRESH ON THE MARKET AT $195,000 WITH ABOUT $45,000 DOWN! LARGEST SELECTION OF FARMS IN THE ST LAWRENCE VALLEY OFFERED AT WIMPLE'S GOUVERNEUR OFFICE 315-287 4163

REAL ESTATE

Wanted - rundown farm or land within 50 miles of King of Prussia Include price, terms, tillable, taxes Box 162, Cynwyd, PA 19004

FARM FOR SALE - Nice 58 acre farm in Juniata Co reduced to sell Call 717-527-4093

Several large and small farms. Tracts of land, building lots Terms. Write Box 366 J-229, c/o Lancaster Farming, Lititz, Pa 17543

Cambria Co., North Ebensburgh Dairy Farm-118 acres tillable, tile drained, over 1 mi. rd. frontage on 2 sides, bank barn, with 2 Harvestores and silo, milk house. Two 2 story, 3 bedrm. homes, cottage, garages and other outbuildings. All in sound condition. Former retail dairy business Best location in area $180,000 Additional acreage available Also, 70 acre crop farm for sale.
Gresh Real Estate
814-266-3129 or
814-467-7103

3-A farm with established produce, fruit and X-mas tree business Beautiful 4 bedroom home, chestnut woodwork, large rooms Terms Write Box 366 J-230, c/o Lancaster Farming, Lititz, PA 17543

Large hog operation with 20 acres Immediate income from operation. York Co Excellent terms. Write Box 366-J 231, c/o Lancaster Farming, Lititz, Pa 17543

100 A grain, produce, beef and hog farm, 3 homes, stream, pond, beautiful setting Finish 8,000 hogs/year York Co. Terms Write Box 366 J-232, c/o Lancaster Farming, Lititz, Pa 17543.

For Sale - 1 to 8 acre wood land lots, perced and approved, Perry Co 717-438-3115

$100,000 FARM
100 AC N.E. Penna., Wayne County, Prime tillable and pasture, gently rolling, some woods, stream, views, lake site. 2-story farmhouse, very good dairy barn needs modernizing, room for approx. 40 milkers, Lg equip barn, sheds 5,000' public road frontage $100,000 George H Zerebak Realty, Rte 370, Lakewood, PA 18439. (717) 798-2113

Columbia County, 188 acre farm, owner financing, house, barn, utility buildings, good condition. Immediate occupany $175,000. Stephen's Associates, Real Estate, 215-777-9816

PERRY CO., Furnished 2 BR cabin, bath, elec heat, on the Susquehanna River, $26,900
PERRY CO., Wooded 3 ac., Furnished 2 BR cabin, bath, fireplace, inground swimming pool, $27,900
JUNIATA CO., 136.8 Ac Farm, Handyman Special, 2½ sty home, 2 barns, road & creek frontage, ASKING $112,500.
JUNIATA CO., 327.6 Ac., 5 rm rancher, bath, elec. heat, fireplace, other building, marketable timber, 1 mile road frontage, $225,000, OR all buildings & 100 Ac. $110,000, OR 227.6 Ac. of land $138,000; OR 100 Ac. of land $60,000 Owner Financing.
PERRY CO., Wooded Recreational Lots on Susquehanna River, holding tanks allowed, good boating & fishing area, 0.96 Ac. to 1.23 Ac., $4900 to $6500
REDUCED TO $9,900. 1 Ac., Furnished 3 room cabin, well, woodstove, near Col. Denning State Park, Cumberland Co
FRED VLASEK REAL ESTATE, 2010 Market St., Camp Hill, Pa 17011, Ph 717-761-4185

Bradford County dairy farm, 670 acres, complete modern setup, now milking 150 cows, 3 good homes, broker inquiries invited 717-549-5618

REAL ESTATE

LANCASTER COUNTY
Right now we need listings of Lancaster County farms. We have buyers waiting. Please call

FARM & HOME REAL ESTATE
Smoketown, PA
717-291-2270

Sylvester Baum, Carlisle, 717 776-3967
Harlan Keener, Willow Street, 717 464 2669
Mahlon Oberholtzer, Lancaster, 717 392 1177

Broker J Irvin Denlinger
717-898-8962

UPSTATE N.Y. FARMS & BUSINESSES

Farm $5 000 down 206 acres, 150 tillable 60 cow barn with heifer barn (2) 20x50 silos bulk tank barn cleaner, silo unloader 2 in pipe line 12x50 mobile home financing available $205 000

Farm 60 down at 10% owner financing 260 acres 180 tillable 64 tie stalls heifer barn tool shed 70x40' 1 silo 2 in pipeline bulk tank Very lovely 3BR home fireplace in ground pool $178 000

Farm (Veal) 64 stall barn for veal calves 20x40 tool shed, garage lovely 3 BR home 21 acres $90 000 gross annual income $82 000
Caroga Lake Excellent 8 unit motel plus Bar & Restaurant 120x40 barn for storing boats & snowmobiles $110 000 owner financing available

Acreage, 45a 45a 25a acre lots at $300 acre owner financing available

Farm 257 acres 180 tillable 65 milkers 22 young stock 3 silos all equipment 5 BR House $40 000

ANNE OSTASZ REALTY
Little Falls, NY 13365
315-823-0095

PENNA FARMS
CUMBERLAND CO.
113 acre dairy, charming stone dwelling.
82 acre all open land, murrill soil
FRANKLIN CO.
124 acre general, 2 story dwelling, bank barn.
91 acre dairy. Owner financing
HUNTINGDON CO.
172 acre general, a steal at $100,000
Selling your farm?
No Obligation Appraisal

Charles Wenger, GRI, 263-0945
George Ebener 249-4979
Wilbert Diehl 258-3231
GEORGE L. EBENER & ASSOCIATES REALTORS
139 W. High St., Carlisle, Pa.
Ph. (717) 243-6195

FARMS FOR SALE

CENTRAL NEW YORK - Between Seneca and Cayuga Lakes. 7 miles S. of Seneca Falls just off Rt. 414. 110 acres of level loam soil - 100 acres tillable. Nice 5-bedroom, 2-story frame home. Priced for quick sale at $94,900. Owner will finance for 20 years at 10% interest with 30% down.

ELIZABETH TWP. - LANCASTER CO. - Approximately 100 acres - perfect for the horse or gentleman farmer. Beautiful private setting yet close to Rt. 322 and turnpike. Acreage is approximately ⅓ pasture, ⅓ tillable and ⅓ woods. 2 trout streams and a large pond on the property In addition, there is a 2½-story stone house, tenant house, log house, tobacco barn, bank barn, pig house, and corn crib. Price: $400,000

HIGH REALTY CORPORATION REALTORS
717-393-5661

REAL ESTATE

For Sale- Beautiful remodeled 4 bedroom farm house, custom oak kitchen, wall to wall carpet, w/large garage Also 2 large block buildings, 30x120 ideal for business or other income potentials on 8½ acres of woodland, Perry Co 12½% financing available.
717-582-2352

CENTRAL NEW YORK DAIRY FARM
Located 45 miles south of Rochester, 5 miles from school 300 +or - acres of level loam soil, 200 acres tillable balance pasture and woods, modern 36 x 110 foot barn w/pipeline milker and bulk tank, heifer shed and 30x50' machinery building, 18x50' and 20x60' concrete silos w/unloader and bunk feeders Good 2 story early American house 8 rooms, including bath, oil and wood heat, asking $165,000 negotiable w/owner financing

Jerome Eckert
Box 114 Ulysses, PA
16948
814-435-2314

REAL ESTATE TO SELL? FOR ACTION CALL

JOHN B. NIESLEY REAL ESTATE
32 West High Street
Carlisle, Pennsylvania 17013
717-249-8787

For:
CENTRAL PENNA FARMS
FARMETTES, LAND, ETC.
See last week's ad for listings

RICHARD B. CRAWFORD - 717-734-3673
CLAIR R. BENNER - 717-444-2162
EARL I. STERN - 717-748-7376
GREGG R. BITTING - 717-789-3368 or 789-4513
STEVE E. ORRIS - 717-789-3368 or 789-4177

Endless Mountain Real Estate Co.
Tioga County
Land Mart REAL ESTATE

#206 Lovely 5 year old home with 3 BR's and sets in the woods with 5 acres A smaller home but very nice!!.. $39,000

#207 Older 7 BR farm house that's been remodeled downstairs, with all new floors, new furnace, wood and oil heat, fresh water pond, old barn that needs repair, and 42 Acres all open, about 2-3 miles from small town and on well maintained Rd..... $55,000

#208 A lovely large GEORGIAN style home built in the Civil War Era. 12 rooms, 6 bedrooms, 1½ baths, several crystal chandelliers, several large wall mirrors, 6 marble faced decorative fireplaces original wood-work, and all in excellent condition. Call for more details on this lovely home!!.. $48,500

RD 1 Box 203-A
Covington, PA 16917
717-659-5684
Richard Chamberlain, Manager
Home Ph: 717-549-4173
(New Hours) Mon.-Sat. 9:30-4:30

REAL ESTATE

No 104 Farm and Home find 22 miles to Lake Ontario 93 acres $50 000 Retire easy in the country with this versatile acreage A hay and grain farm or raise dairy heifers beef horses Has older Early American home with 8 rooms 5 bedrooms bath oil furnace 3 open porches nice spacious setting on shaded lawn Garage drive through dairy barn with 25 stanchions 2 box stalls milk house poultry house concrete silo machine shed 93 acres 47 tillable used for corn and mixed hay 46 acres native pasture organic garden barb wire fencing well 1500 ft creek frontage spring fed brook flows through for 800 feet, stock pond Fronts state highway 1¼ miles to town 22 miles to Henderson Bay on Lake Ontario in good hunting and recreation area Retiring owner sells this outstanding opportunity for a low $50 000 $10 000 down owner financing at 10% annual percentage rate

Other Properties Available
CROSBY REALTY
Arthur W Crosby, Broker
RD 2, Theresa, NY 13691
315-628-5598

THE DEBONAIRE
This 28 x56' Rancher individually Handcrafted on your lot for **$40,990.**

DUPLEXES — BiLEVELS AND CAPE COD ALSO AVAILABLE

EQUAL HOUSING LENDER

Open Daily 1-9, Sat. 10-5, Closed Sunday
717-442-4178 or 717-442-4179
Rt. 30, 8 mi. West of Coatesville
15 mi. East of Lancaster

Please send me your FREE Brochure
Patwil, Inc. RD2 BOX 2158
GAP PA 17527
Own Lot Yes No
Name _____
Address _____
City _____
State _____
Zip _____ Phone _____

HANDCRAFTED PATWIL QUALITY HOMES THE BUILDER WHO CARES

FARMS
OWNER FINANCING
RAYSTOWN COUNTRY

HUNTINGDON COUNTY - over the hill from the Raystown Lake - 136 acres 70 tillable 36 pasture 30 woodland Barn less than 30 years old good silo house still standing Spring water PRICED TO SELL $96,500

MIFFLIN COUNTY - 430 ac +/ 160 ac till Class I and II well drained riverbottom and limestone ground Stone House Barn not eqd for dairy Peaceful location end twp rd with 1 mile frontage Juniata River Asking under $900 per acre for the entire package 10% down and 10% financing Subdivision possible

HUNTINGDON COUNTY - 15 mi from State College Beautifully restored 3 BR stone house plus 4 room all-elec apt Abundant spring water second spring, streams 100 till acres (predominantly Hagerstown) 30 ac pasture with barn and outbuildings This is the house and farm for you $260 000 $75 000 down $185 000 at 12% at $2,220 32 per mo for 15 years Balloon 8 yrs Owner will subdivide house barn and 17 acres for $139 500

SHIRLEY TOWNSHIP - HUNTINGDON COUNTY - 250 acres, more or less 40+/ till 60 pasture and 150 woodland Stone house, dairy barn, restaurant and other buildings 50 free stalls and milk parlor Commercial highway frontage near community of 6 000 $295 000 including the restaurant OWNER WILL SUBDIVIDE

SHIRLEY TOWNSHIP - HUNTINGDON COUNTY - OPERATING DAIRY FARM - 3+ miles from previous farm 150 acres 50+/ till 75 pasture 25 woodland Large barn 50 free stalls house and other outbuildings $175 000 Owner financing to approved buyer

HOPEWELL TOWNSHIP - HUNTINGDON COUNTY - 165 acres 50 ac till Excellent water supply 4 BR home barn near pond away from highway Excellent subdivision and commercial possibilities New listing at $165 000

CALL: TRI-COUNTY REAL ESTATE AGENCY, INC.
305 Penn Street
Huntingdon, Penna 16652
(814) 643-5010 or (814) 643-1309

REAL ESTATE

Large 4 bdr. secluded country home, York Co. Terms Write Box 366 J-227, c/o Lancaster Farming, Lititz, Pa. 17543

For Rent - 4 room house, middle aged couple, nice yard and parking Neffsville, Lancaster Co , 717-569-1170.

2 Farms consisting of 120 acres of very fertile land, 2 sets of buildings for sale by the owner, John Strawbridge, 301-996-2022

If you're looking for a farm, land or have any other real estate needs, you'll find what you want in the Real Estate classifieds 717-394-3047 or 717-626-1164

Tioga County 65 acre farm with stream, barn, new slaughter house. Ranch style home with 3 bedrooms, 1½ baths, 2 car garage 717-724-3768 Call 717-724-3853 evenings and weekends

30 acre farm with large hog finishing operation House in need of repairs and remodeling Immediate income. York Co Terms Write Box 366 J-228, c/o Lancaster Farming, Lititz, PA 17543

300 acre dairy farm in Otsego County. Excellent 80 tie stall, pipeline barn w/2 large silos, large pole barn for storage 4 BDR home in VG condition Oil wood heat Practically new in-ground swimming pool. Priced to sell $75,000 down w/owner Financing

Alex Wood Realty
R D 2, West Winfield, NY 13491
315-855-4234

FARM FOR SALE BY OWNER:

140 acres total, 90 tillable with balance pasture and woodland. 39 tie stalls, 2½" pipeline, 800 gal. tank, Patz cleaner, 4 silos. Partially remodeled house with new two car garage attached.
Mifflin County
Call 717-658-2394

FARMS FOR SALE

Kent County, MD

91 acres $225,000, Hunting rental $2,500 Land rental $100 per acre Good owner financing

107 acres $300,000 Owner financing

233 acres $850,000 Owner financing

552 acres, Cecil County, 8000' waterfront, asking $1,750,000 Very good owner financing

Cooper Barroll Realty
Box 76, Galena, MD 21635
301-648-5593

611 acre dairy farm, 4 barns, new shed, work shop w/concrete floor, 11 room 2 bath brick home, creek and 2 lakes stocked with fish. School bus at door. 4 miles to town. Along hard top road. $350,000 or 761 acres $475,000.
901-584-8057
or write
Dwayne Noles
RD #3, Camden, Tenn. 38320

REAL ESTATE

For Sale - Log home 3 yrs. old, 1¾ acre wooded lot, 4 bedrooms, stone fireplace, cathedral ceiling, 1760 sq. feet, twp road frtg. $75,900. $25,000 assumable mortgage at 8½%

Double home, completely remodeled in 1975. Everything separate, 2 wells, barn and pastures with all new fence. 1000 ft. road frontage, 7½ acres $54,900. Adams Co 12 miles west of Gettysburg. Call Evenings at 9 Rick Showers 717-677-6494

SUSQUEHANNA CO. FARM
10% FINANCING-15% DOWN

Plus this advertisement is worth $10,000 credit toward purchase of my 100 acre farm in Springville Twp. 75 tillable acres, barn, 44 tie stalls, with 12 calf stalls, barn cleaner, milking pump, bulk tank, good 7 room cape cod house Drilled well, oil heat, a real bargain and less than $900 per acre

P S. This ad good until June 30, 1982
M.L. Bunnell Owner, 717-965-2375
Box 64, Springville, Pa. 18844

NORTHCENTRAL PA.
Priced To Sell **FARMS & INVESTMENTS** Priced To Sell
SPRING AND IMMEDIATE POSSESSION

13½ ACRES - some wooded, stream frontage on black top road, Septic approval, owner financing. $12,900.00 B-150. PH: 717-265-3171

CABIN AND PANORAMIC VIEWS. Adjoins state game lands. As low as 10% interest. B-155 PH: 717-265-3171

TIOGA CO. DAIRY FARM - $67,900 Operating 40 cow barn & 144 A w/septic and well. Perfect for trailer or new home 85 ± A tillable. 35-40 A pasture. Creek, shade, easy access to fields. Only 30% down, 12% interest. 20 years ($528 per month) Great buy! Call today. Tioga Co. C655 Ph: 814-367-2249

WOODED HAVEN IN POTTER CO. - 12 A hardwoods, encased spring, & easy access make a tremendous, secluded hideaway. Electric available. Located in the Germania area, well-known for excellent hunting & fishing. Owner financed. Only $9,800. C742 Ph 814-367-2249

TIOGA CO. - 172 acre dairy farm, 48 tie stalls. Heifer room, 3 stall parlour or milk in barn, bulk tank, milkers, barn cleaners, large house partially remodeled. Everything ready to go. Possible FMHA financing to qualified buyer. Owner anxious at $125,000. W-613 PH: 717-724-5921

DAIRY FARM - 157 acre operating dairy farm, almost new barn, 47 stalls, S.S. pipeline, barn cleaner, 650 tank, 4 Delaval milking units. 15'x34' Seal Stor lease silo. Large machinery shed. 8 room partially remodeled house Possible mortgage assumption of $115,000. Priced at $165,000 W-605 717-724-5921

"AFFORDABLE FARM" - Overlooking the Cowanesque Dam in Tioga County, PA. on NY border, 100+acres, aprox. 50 tie stall barn w/mow conveyor, 20'x60' silo w/unloader, 3 bedroom house, frontage on 2 roads. Priced right at just $85,000!! $70,000 Existing F.L.B. #M-322

100 ACRE FARM - Above Tioga and L'ville, 3 bdrm ranch style home w/gas heat (new wood furnace heats entire house) 40x150 3 story beef barn in excellent cond. Drilled well and spring. $70,000 existing FLB mort. at 12¾% int. Just $87,500. M-399

CALL OR WRITE US FOR OUR FREE LISTS!

The Real Estaters REALTOR

Offices Area Code 717
Tioga, Potter & Bradford Counties call or write
WELLSBORO, 120 East Ave 724 5921
WESTFIELD, 108 Main St 814 367-2249
MANSFIELD, RD 1, Box 41 662-2138
TOWANDA, Bridge St 265-3171
TROY, 41 Lycoming St 717-673-3298
OUR #1 AIM IS SERVICE

REAL ESTATE

TIOGA CO. PA.
Ranch house on 3 acres; 2 car garage with paved driveway. House features 24x35 family room with walk around fireplace and barbeque pit, step saver kitchen, DR, Living Room with fireplace, 3 or 4 bedrooms, 1½ baths, unfinished basement with another fireplace. $65,900. Possible owner financing. CALL 814-367-5796

15% DOWN
10% FINANCING

Large hog farm, Huntingdon County Buildings include 30x84 house with pit and 30 farrowing stalls, 45x65 barn with 26 farrowing stalls, 50x105 nursery or finishing house with pit, 38x80 finishing house withpit, 36x60 open side building with pit, 16x100 open side bldg. with pit, 2 grain bins, 1-10,000 bushel, 1-14,000 bushel, 40,000 lb truck scales, many other extras. Farm borders creek, 185 acres, 105 tillable, 20 pasture, balance woods. A nice 9 room house. $240,000 Hogs also available Also 1 or 2 houses 6 yrs. old available for an ideal partnership operation 814-447-3725

FARMS

ACREAGE WITH OLD WORLD CHARM
Endurance was the main objective in 1857 when this fieldstone farm was brilliantly constructed Exquisite describes the quiet country setting, and condition of all buildings, including smoke house, hen house and woodshed The spring fed pond and stream, truly authentic

NICE SECLUDED BEEF FARM
160 acres with a lot of potential It has it's own spring water company, 2 stone homes, the main house has 3 fireplaces, large family room 14x42, new heating systems in both homes Farm can be purchased in different segments Call "Hop" for details Priced for a quick sale!

OWNER FINANCING
120 acre dairy farm, large dairy barn with milking parlor, brick house plus a frame double home 2 silos, pond, stream and much more

FARMETTES

BEAUTIFUL HORSE FARMETTE
Located on 5 acres near Project 70 Wildlife area Featuring 5 bedrooms, laundry, and large modern kitchen Ideal for 7 to 10 horses Call for details! Priced at only $77,900

FARMETTE WITH A LOT OF POTENTIAL
4 bedroom stone home located on 5½ acres with nice secluded setting Partially wooded ½ acre pond and small orchard All this east of Blue Ball

ZESTFUL AND CLEAN IS THIS LITTLE FARMETTE
Second floor has been freshly decorated featuring 4 bedroom spacious kitchen and an old walk in fireplace, plus a horse barn All this located on 2 acres of land

12 6 ACRE HORSE FARMETTE
Totally restored home featuring 4 bedrooms and spacious living room, pond, stream and 2 car detached garage Ideal for 8 horses

ONCE IN A LIFETIME OPPORTUNITY
Be the proud owner of an estate type home or homes Two beautiful homes on approximately seventeen acres Large lawn, pond, mature pine and shade trees and some tillable land Away from the clatter and confusion of city and the highway On the fringe of Berks County at the Lancaster line near Adamstown Combination of MLS No 56209 and MLS No 52611 Call for information on sub division

CALL "HOP", PAUL OR AARON
FOR MORE INFORMATION
HOFFER & ASSOCIATES, INC.
Ephrata Branch
18 West Main Street
Ephrata, Pennsylvania 17522
(717) 738-4261

SHEETZ REAL ESTATE
RAY N. WILEY INC.
323 W. Main St.
Mount Joy, PA
CALL 653-1481
FARM LISTINGS NEEDED
Farm Salesman - Eugene Kreider

"Tie The Cows and Start to Milk"
Selection of central PA farms in fine communities.
June is Dairy Month!

Kingsway Realty REALTORS
1770 Oregon Pike
Lancaster
Phone 717-569-8701
or Ephrata 717-733-3344
REALTOR

BEDFORD CO.

Bottomland Farm Special - 283 level acres, suitable for beef, horses or crops No barn. Restorable house. (120-L)

Hobby Farm? - lg. bunk barn, can accommodate 75-100 beef cattle - ideal for horses too. Well Stream. $37,500. (118-L)

Highly Productive - 65 level acres. Bordering stream $69,900 (122-L)

140 acres - of good farmland. 90 acres tillable, 50 wooded, $140,000 (259-L)

BLAIR CO.

Fertile Farm - 175 acres, mostly tillable. lg. barn with 31 stanchions. 4 bedroom home, 4 springs. Good stream $199,000. (123-L)

HUNTINGDON CO.

Prime Location - 96 acres. 40x100 dairy barn with 46 tie stalls, bulk tank, 18x60 silo w/unloader. Good milk market 5 bedroom home. Stream. $175,000 (124-L)

Spiral Stairwell - in this 4 bedroom chalet w/fireplace & deck. Completely furnished Bunny Hop Ski Slope Blue Knob. (116-5)

Chalet - w/basement apartment, 4 bedroom plus fireplace. Furnishes included. Lot 100x300. Few minutes from Blue Knob Ski area. (128-5)

Blue Knob Ski Area - 5 minutes from this 3 bedroom split entry w/wood burner & deck, landscape lot. Assumeable mortgage, $53,000. (188-4)

Camp - Raystown Lake Area. River frontage. Good hunting & fishing. $17,960 (189-5)

Sportmen's Delight - Raystown Lake Area. River frontage Cedar wood cottage w/fireplace, $33,900 (155-5)

Century 21
Zane Heisel Real Estate Inc.
407 Logan Blvd. Lakemont
Altoona, PA 16602
814-946-1215

Independently Owned

REAL ESTATE

CARROLL COUNTY STOCKED DAIRY FARM

160 free stall barn, double 6 parlor w/3" milk line, dairy w/1,000 gal tank, silo & feeder - ONLY 3 YEARS OLD!! Full line of machinery and 200 head of dairy cattle on 122 acres with farmhouse and house trailer. Dorothy Pool, (301) 848-5899.

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180 acre 150 tillable level land to gentle rolling beautiful big new rancher w/fireplace barn remodeled w/new addition 58 tie stalls could easily add 16 stalls bulk tank dumping station 18x65 concrete stave silo w/unloader heifer barn & machinery shed Located on macadam road Sets very nice must be seen to appreciate All for **$225 000** Cattle & machinery optional Additional acreage available for rent

SUSQUEHANNA COUNTY

140 acre dairy farm 95 tillable gently rolling to almost level A picture clean farm operation with 42 stanchions stainless steel pipeline 2 box stalls 6 calf stalls & enclosed spreader pit Two 20 x 40 concrete stave silos with unloaders 650 gal bulk tank 2 large poll sheds for machinery & heifers frame 8 room 2½ story house modern kitchen 1½ baths carport & patio Must be seen to appreciate $225 000 #324

437 acre dairy farm, 50 stall barn with pipeline bulk tank, barn cleaner & 18x50, 14x50 & 12x40 silos Heifer barn & machinery shed, shop & garage Lovely stone & frame Colonial home with modern kitchen, 8 rooms & 2 baths Also new second home with 5 rooms & bath Call for details $325,000

74 acres, 67 T, features 106 comfort stall barn, 1000 gal tank pipeline, 89 free stall heifer barn 30x70 concrete silo solid 2½ story 4 bedroom home w/bath Asking ~~$165 000~~ Reduced $125 000 Also renting additional acres

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15H192 Marlu TITAN — EX
166D in 110H (2 Eff.D/H) 17,067M 3.5% 603F
Pred. Dif. (90% rpt.)
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15H219 Ja-Sal Gay DUKE — EX
40D in 35H (1 Eff. D/H) 16,946M 3.4% 583F
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15H277 Singing-Brook STARMATE — VG
24D in 21H (1 Eff. D/H) 16,906M 3.9% 656F
Pred. Dif. (48% rpt.)
+$154 +979M +.10% +50F

15H221 Sinking-Springs Rocket MANDATE — VG
43D in 37H (1 Eff. D/H) 17,174M 3.6% 615F
Pred. Dif. (69% rpt.)
+$164 +1,487M -.12% +35F

15H180 Le-Del Ideal SUPERIOR — EX
1,306D in 654H
(4 Eff. D/H) 17,743M 3.5% 618F
Pred. Dif. (98% rpt.)
+$137 +1,368M -.17% +24F

15H452 MIL-NOR-II Design — VG
17D in 14H (2 Eff. D/H) 18,453M 3.5% 652F
Pred. Dif. (40% rpt.)
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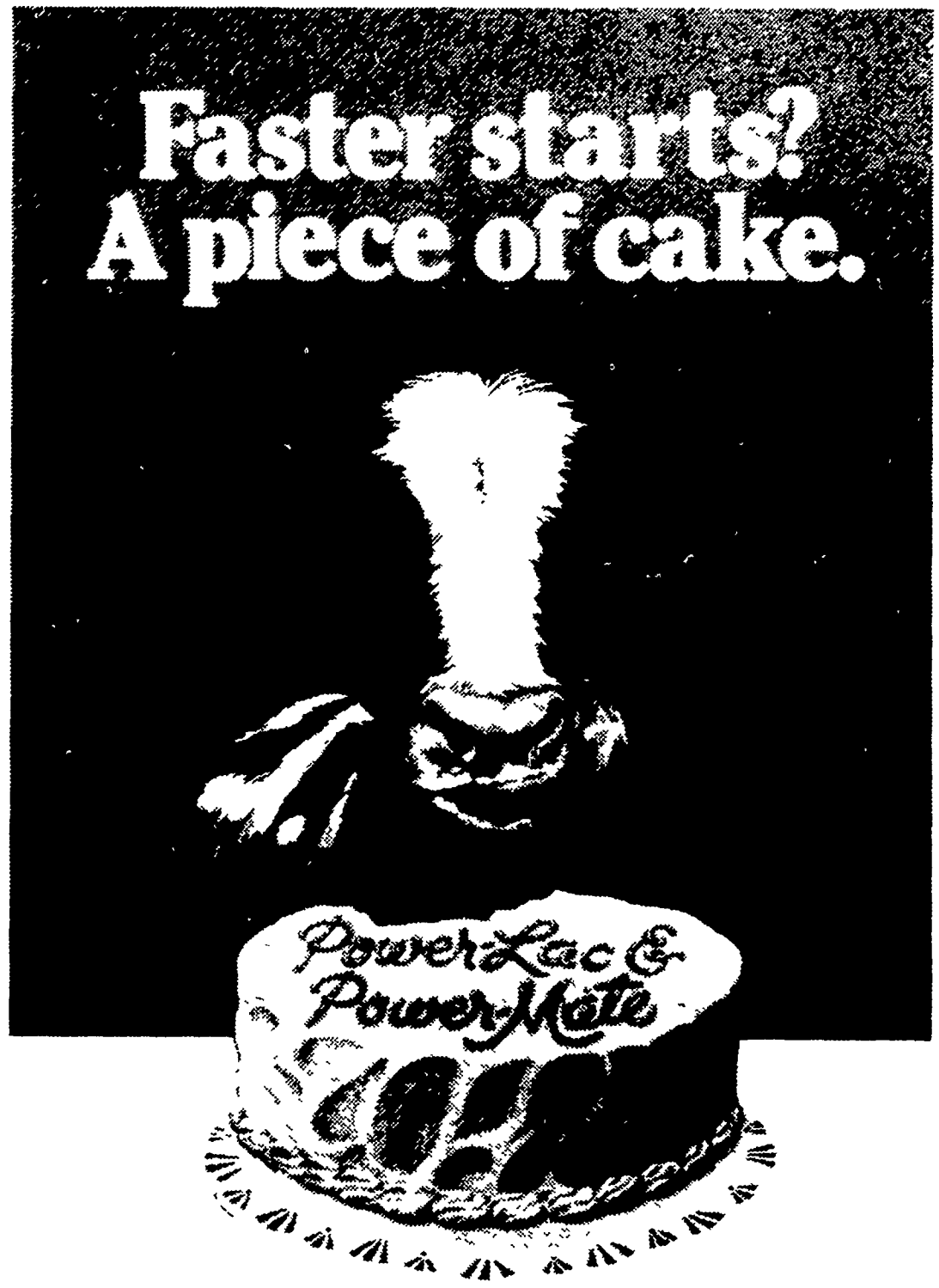

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Cumberland cattlemen profess Limousin utopia

BY BETH HEMMINGER
Staff Correspondent

NEWVILLE — There are few people in the East who are familar with Limousin cattle and are not familiar with the names of John Moore, Richard McDonald and Bob Line, all well-known Cumberland County Limousin breeders.

John Moore, a founder member of the North American and Eastern Limousin Associations, has served as the inspiration for fellow cattlemen McDonald and Line, along with many others he encouraged to import and breed this new exotic beef.

Moore, along with 100 other cattlemen from across the United States, was very interested in the Limousin's potential in the U.S. market place. Through their group effort, the first Limousin animal was imported to Canada in 1968 and to the U.S. in November of that year. The first animal was a French prince, the royal entity Prince Pompadour, who began a journey that would alter the lives and fortune of hundreds of cattle producers in another part of the world.

Moore's interest in beef cattle, however, didn't begin at that point. He had been dabbling in the beef business since 1958 while in the employment of the U.S. Navy, and started his first beef operation on a small farm near Philadelphia.

Moore stated, "It had always been a dream of mine to own and work with animals. So I took the plunge and bought a few beef animals to see if the beef business would be compatible with our lifestyle."

It still was five years later when the Moores received their transfer papers to San Diego. Moore said, "The beef business had become such an enjoyable part of our lives that we decided to continue the operation in San Diego."

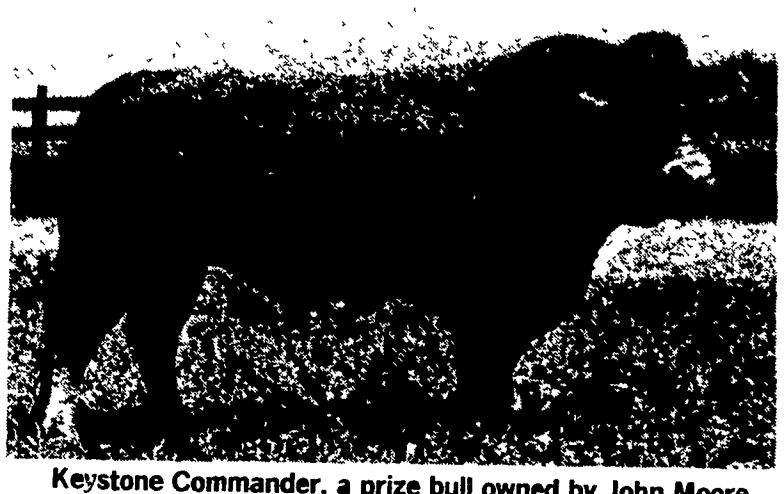
During those novice years in the business when he was learning about beef animals on the farm and in the market place, Moore was dissatisfied with the quality of his cattle. He said, "The cows had trouble calving and I felt the food conversion was slow. And, there was a lack of uniformity which hindered any idea of program-planning for the future. That is when I began studying the exotic beef in Europe."

Other cattlemen had already begun to crossbreed with a few exotic breeds, but this usually brought problems along with the progress. For example, said Moore, crossbreeding with an exotic brought outstanding growth rates but at the same time brought calving difficulties.

Moore learned about the ancient breed of France, the Limousin, through other cattlemen and research. Upon considering the potential of this French breed, the Moores made a trip to France to see the animals in their natural environment. Unguided, they toured the French countryside looking at all the cattle — Simmental, Brown Swiss and Limousin.

Richard McDonald looks over bull from his herd of Limousins, which are kept in pasture throughout most of the year.

Founding member of the North American and Eastern Limousin Associations, John Moore was recently honored with an honorary lifetime director award.



Keystone Commander, a prize bull owned by John Moore, was much in demand by Limousin breeders. The bull, which tipped the scales at 1940 lbs., died last year of hardware disease.

Moore stated, "We would stop along the roadside and talk to the farmers as best we could with sign language and guttural French to get first-hand information about the different breeds. It wasn't long after a few discussions with local farmers and seeing the Limousin in pastures that we knew it was the breed for us."

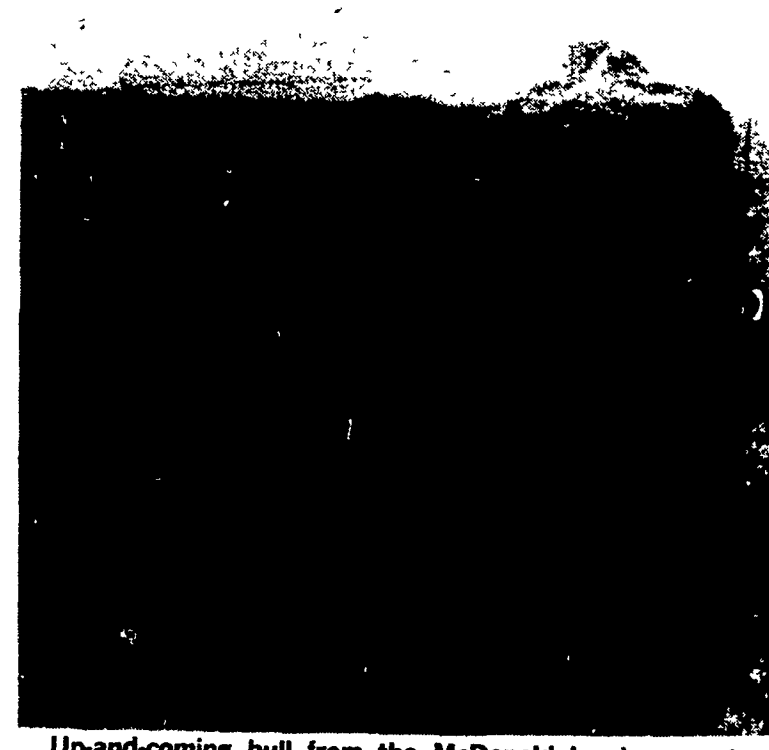
During this time in France, Moore learned about the animal's potential and ability in the meat market, and also about their ancient past. Authorities claim the Limousin cattle date back 20,000 years ago due to the Lascaus Cave paintings near Limoges—the center of Limousin cattle activity in modern-day France. These cave paintings picture a cow of red color bulging hindquarter and stretch which offers graphic evidence of the typical Limousin characteristics of today a little later in the history books, in 1857 and 1858, the Limousin had been recorded as being champions of a carcass show that was held in the south of France.

Soon after the Moore's tour of France, he retired from the Navy and decided to return to the East. By this time, Moore had become involved in the North American Limousin Association as a founder member, and Prince Pompadour was on his way to the U.S. where he was greeted with fanfare and flurry. Moore remarked, "The cattlemen were excited about this new bloodline that showed such promise and potential."

During those first few years after Pompadour arrived, Moore was engrossed in the North American Limousin Association in Denver, Colorado, where he served as treasurer, president and a Founding Board member. After completing his term as president, he returned home to his farm at Newville to enjoy his family and animals.

At this point, McDonald and Line entered the picture. Line, an experienced livestock farmer and dealer, and McDonald, a part-time farmer employed by the Department of Agriculture, discovered the Limousin breed through Moore who already had a crop of Limousin calves on the ground.

Moore saw the keen interest of McDonald and Line, and along with other cattle producers in Maine, New York, Ohio, Virginia, and West Virginia.



Up-and-coming bull from the McDonald herd poses for camera with his mother.

He said, "This was the opportune moment to bring the interested cattlemen in the East together," said Moore. So, he invited all those interested in the exotic Limousin breed to his home in Newville for a meeting. At that meeting, the Eastern Limousin Breeders Association was born.

Recently at an Eastern Limousin Breeders meeting, John Moore received an honorary award of Lifetime Director of the Association.

McDonald and Line stated, "He has done a lot for the breed and the Eastern Association. He is always striving for the best in the breed, and always encourages the progress of the group."

McDonald and Line, along with Moore profess to having a cattle utopia. McDonald remarked, "Few other beef breeders can claim what the Limousin breeder can - calving ease, milking ability, reproductive efficiency and proven profit returned for every dollar invested," said McDonald

Bob Line, one of the largest breeders in the East with over 70 females and an assortment of bulls of all different sizes pointed out that another important feature of the breed is their "easy-keeping." Line explained that they are "easy-fleshing" animals that won't eat their owners out of house and home to their extra thickness and natural muscling. Continuing on the same note, Line said Limousin cattle are excellent feed converters; converting their food faster into poundage than any other breed in the market place today.

Moore added that he works closely with Penn State in testing programs with the Limousin breed to prove their superiority and potential in the market place Moore said, "Numerous tests have been completed on food conversion rates in most of the breeds raised in the United States today and Limousin tops the list every time."

With all the Limousin's fine qualities, McDonald stressed that the Limousin's key ingredient in the beef industry is their lean, high-yielding carcass. Limousin cattle are known in France as "the butchers animal" because of the exceptional lean and exceptional muscling found in the carcasses. McDonald stated, "Studies have shown over and over again that the Limousin produces 20 percent more lean meat than other breeds

(Turn to Page D4)

June is dairy month

De Laval® Announces "Cash Incentives" For June Dairy Month Which Can Help Effectively Reduce High Interest Costs

June is dairy month

Shown here is a partial list of over 130 separate items available which qualify for our Cash Incentive Program

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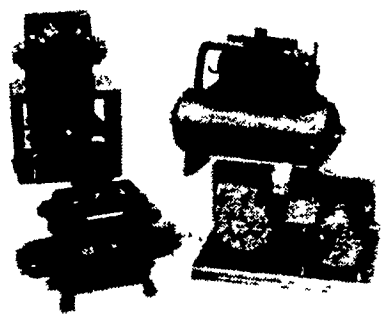

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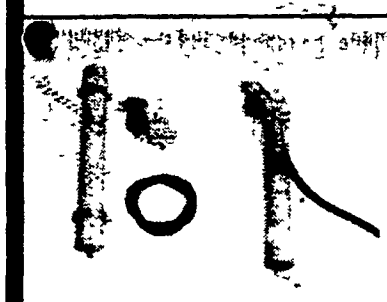

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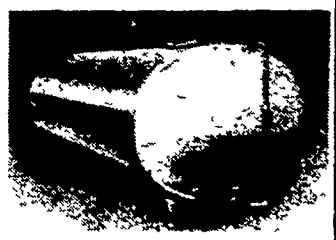

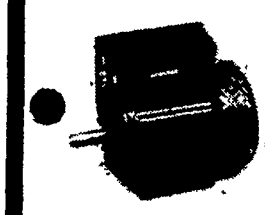

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Waikato **$20.00**
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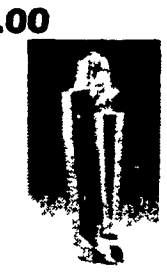

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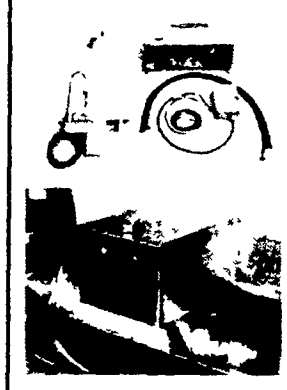

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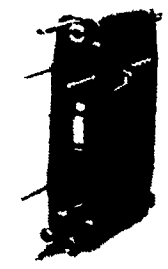

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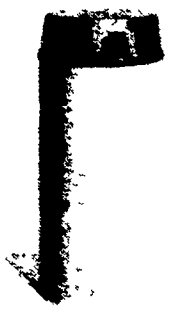

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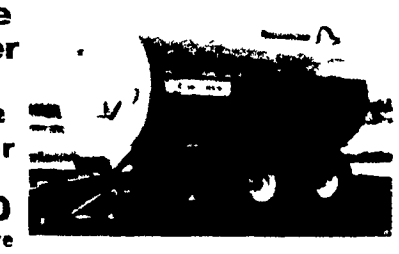

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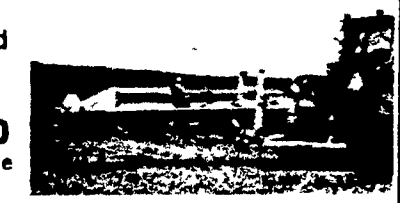

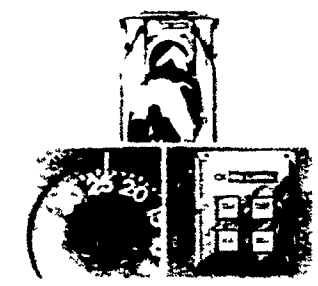

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Limousin

(Continued from Page D2)

and is superior in dressing percentage, with larger rib eyes, less waste fat and bone

Fourteen years since the arrival of the Prince Pompadour, the Limousin breed is still changing the looks of U.S. beef. The Limousins are changing color. Although the cattles natural color is red, with the color varying from a deep red to a golden fawn, breeders in the U.S. have developed purebred black animals. Some of these black cattle have shed the traditional Limousin horns

Moore said that this change in color from red to black developed in the show ring "Judges will always pick a black animal for the top-placing over a red one because black creates an illusion of sleekness, hides flaws and has a flair that the red lacks," expressed Moore

"I am even adding black Limousin to my herd because that is where the profit is. If black Limousin is going to do better than red Limousin, why not?"

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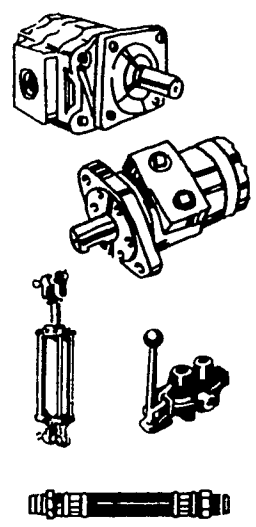

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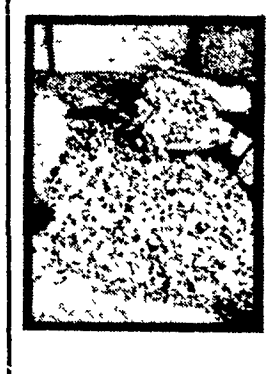

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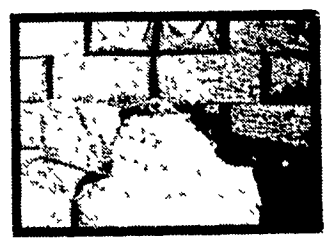

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Farm Business News

W&J Dairy Sales gets award

Top Achievement Award is presented Ray Kuhns, left foreground, Regional Sales Manager for Zero Manufacturing Co., to William Guhl, owner of W. & J. Dairy Sales, of R2 Oxford. The award is in recognition of a 1981 sales increase of more than 25 percent over the previous year. Participating in the awards presentation, in background from the left, are Larry Myers, Bob Guhl and Jeff Bell, of W. & J. Dairy Sales.

Delphi introduces - new hog feeder line

DELPHI, Ind. — A new line of Farmcraft In-Line Feeders designed to give years of longer service has just been introduced by the Delphi Products Co. division of Underhill Industries, Inc , Road 421 north, Delphi, Ind

These Farmcraft feeders have wear and corrosion-resistant feed compartments that are coated inside and outside with a fused-on tough glass coating (similar to the glass coating in an A O Smith Harvestore) over a 14-gauge steel base. This porcelainized surface is as smooth as a dish, inhibiting the formation of bacteria and promoting animal health This glass is a hard shield against deterioration and wear. The hoppers are built heavier than normal, of 16-gauge heavily-galvanized steel

The feeders are shipped with the porcelainized bases completely assembled, and the hoppers are knocked down, easily assembled with common tools

There are nine sizes of single-side Farmcraft feeders, with three to 12 feed compartments total, with feed capacities of from 13 to 50 bushels.

The double-side feeders can be installed in a fence line out-of-doors or in a pen partition inside a confinement building, in order to serve two pens Also, they can be set in the center of large pens

The feed hoppers contain an infinite-adjustment feed control Internal feed agitation prevents feed from bridging Tops to make feeders waterproof are optional So are trough lids

Farmcraft feeders feature a fused-on glass coating to reduce wear and corrosion.

John and Barry Kreider, dairying agribusiness father and son, are shown against the backdrop of the Show-Ease Stall Co. sign on the family business located along Willow Road, east of Lancaster. Started 20 years ago on the barn floor, Show-Ease is now well recognized in dairying circles.

Dairyman's better idea launches a business

BY DICK ANGLESTEIN

LANCASTER — Quite often, it's the little things in life that have a way of shaping the bigger ones.

Such it was with John E. Kreider, Lancaster County dairyman.

Member of a pioneering dairy family that is now in its seventh generation on Trout Spring Farm, Willow Road, east of Lancaster, John always had a desire to improve the care of his cows.

"Quality not quantity" is the basic tenet of his dairying philosophy.

Twenty years ago when this desire for improved care was at its zenith, he happened to receive a load of oats all the way from New York State.

The chance coincidence of the two – the desire and a load of oats -- led the Kreider family into a business, Show-Ease Stall Co., which is now known wherever dairymen still emphasize the need to tie a cow in order to give that individual daily attention.

"It was back in 1962," Kreider recalled.

"We were getting ready to double the size of the herd, going from 22 to 45 head.

"I've always been a tie-stall dairyman. The only thing available then was either the yoke or comfort stall.

"One was good for the farmer and the other good for the cow. I wanted something that was good for both.

"At just about that time I got a load of oats from Irvin Weaver, of Blue Gill Farm, near Bath, N.Y.

"Irvin and I had gone to Lancaster Mennonite High School together, but this was the only time I had ever bought a load of oats from him.

"He brought the oats down and I explained my problem concerning the expansion.

"He told me not to do anything until I came up to his area to see what some of the farmers were using.

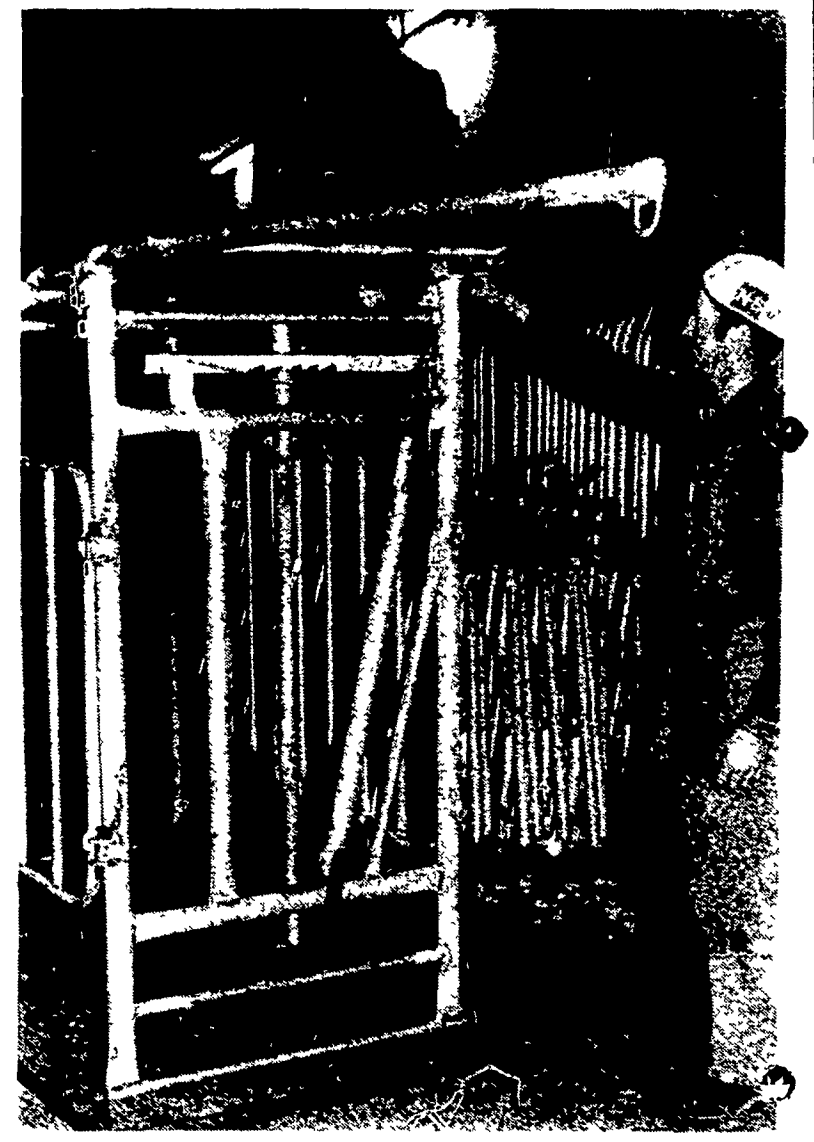
"We went up and contacted the county agent. He took us to a few farms, but it just wasn't what we were after.

"Then, we went 70 more miles and as soon as I saw that farm I knew it was what we wanted."

Kreider came back to Lancaster and used the stall idea in his new barn addition.

"The first time we saw that type of stall, we could see that it really showed off the cow," he said.

"In fact, some of the New York farmers called it a show stall.



Finishing touches are put on a work chute by Mahlon Shenk for a customer of Show-Ease who does custom clipping and grooming.

"And, it provided an easy way of taking care of the cow."

And there was born the Show-Ease Stall, whose idea and acceptance has spread extensively from Lancaster County beginnings.

Wherever cows are tied, a good many of the stall piping fixtures contain the Show-Ease stamp. And if they don't, it's a pretty good bet they're close copies.

Many agribusiness firms, large and small, consider it quite a publicity coup to get their product on the cover of a national farm magazine

Well, Show-Ease has had two full-color covers in Hoard's Dairyman during the past couple of years. The photos were taken by the magazine primarily to show the cows, but in each it's quick to determine in whose stalls they are so easily shown off.

Since one of the barn photos is in West Rutland, Vt. and the other in Pierceton, Ind., the spread of the better way found by a Lancaster County dairyman is simple to trace.

"The neighbors actually got us started in the business," Kreider said.

"They came, looked over our installation and liked it.

"From there on, they sold themselves. Now, every major manufacturer has copied it in one way or another."

The business started on the barn floor. That's where the first stalls were made.

Then, it was an oversize farm shop.

And, four years ago, the company moved into a new 60 by 120-foot building at 573 Willow Road, just adjacent to the farm.

(Turn to Page D7)

McNess honors area sales

EPHRATA — Eugene C Conlman, Field Manager for Furst-McNess Co., has achieved the top sales record throughout the company's East Coast Region for the first quarter of 1982.

In addition to attaining the top Eastern sales record, Conylsman ranked eighth among the 124 field areas in the company throughout the U.S. during the first quarter.

Helping to reach the top Eastern sales mark were the following zone sales personnel: Florance Bender, Bernville; Harry T. Bomgardner, Annville; John Clymer, Mt. Joy; Dennis Dare, Monroeville, N.J.; Leon Groff, Lititz; Barry Haldeman, Manheim; Wayne Hess, Manheim; Wilmer Hoover, Manheim; Daniel S. Martin Jr., Ephrata, Louis E. Martin, Stouchsburg; Robert E. Meyer, Palmyra; Samuel G. Musser, Lebanon; Vernon Nissley, Manheim; James Patches, Myerstown; Jess Weaver, Lititz; G. Harvey Weik, Myerstown; Jay L. Wolf, New Providence; and Kenneth J. Wolfe, Lebanon.

Better idea

(Continued from Page D6)

The line of products has grown, too.

Most popular is the Show-Ease Custom 6 Stall, in which the tie pipe is offset six-inches in front of the stall to give extra room and freedom for the cow.

Also, there are self-locking lever rows, self-locking-manual lever rows, gutter grates and cow mats, barnyard gates and fencing, calf and box stalls and free stalls

Installations can range from typical barn renovations for 60 to 80 cows to massive projects, such as a couple in Maryland. Several 280-foot sections of self-locking lever rows went into the 500-cow Fair Hill Farm at Chestertown. A total of 840 feet of 200-foot sections are being installed at Frederick.

In addition, Show-Ease is one of the top Badger dealers in the East.

The Furst-McNess Co., established in 1908, assists farmers in balancing feeding programs for dairy, beef, swine and sheep and also markets poultry and horse premix.

"The leasing of liquid manure equipment is quite strong in this area," Kreider said

"In our leasing program, we deduct 80 percent of the leasing revenue from the price In three to six months, the spreader is down to a third or half its original price."

John and son, Barry, are involved in the business. Younger sons, John and Phillip, are taking over management of the dairy farm.

The firm now has eight full-time employees and a couple part-time. Typical is John Moore, sales and service manager who has been with the company for 11 years.

John Kreider credits his good employees and the Lord with any success the company has achieved.

"We try to follow good Christian principles in what we do," he said.

But also, the success of Show-Ease again illustrates a basic cornerstone of how agri-business has grown, not only locally, but anywhere in the country.

A farmer had a better idea, put it into practice and other farmers soon recognized it.

Aaron Kolb, left, and Steve Beiler work with pipe sections in fabrication area where stalls and other Show-Ease products begin to take shape.

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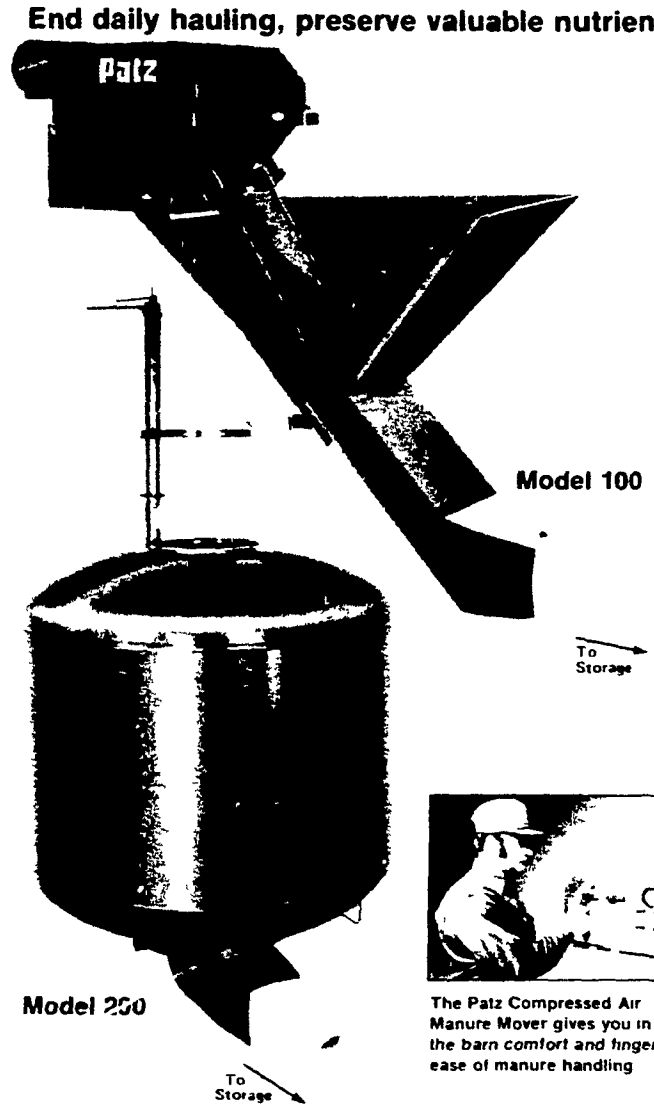

For slurry manure, select the *Patz Model 100 Pump* Saving time as well as manure nutrients is easy with the Patz Model 100 Slurry Manure Pump Manure drops into hopper from your gutter cleaner Or scrape to the hopper A plunger forces manure through PVC pipe to storage

The Patz manure pump is designed for easy maintenance Both the plunger and plunger sleeve can be removed for inspection

For liquid manure, select the high-capacity Patz Air Manure Mover Load liquid manure into the Patz Model 200 Compressed-Air Manure Mover with your gutter cleaner or scraper Turn the valves to agitate manure and pressurize the big 1 700-gallon tank Compressed air forces manure through PVC pipe to storage Only two moving parts make the Model 200 operation simple and time-saving

The Patz Compressed Air Manure Mover gives you in the barn comfort and fingertip ease of manure handling

Increased profits, more time for management Both the Patz Model 100 Slurry Manure Pump and the Model 200 Compressed-Air Manure Mover will increase your profits by giving you more time to manage your operation Patz has the equipment to make manure moving storing hauling spreading and injecting operations faster and easier

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(Not Fogger)

FOR HOGS

THE PROBLEM

When the temperature goes up one of the first ways your body reacts is by breaking out in perspiration That s nature's way of cooling off

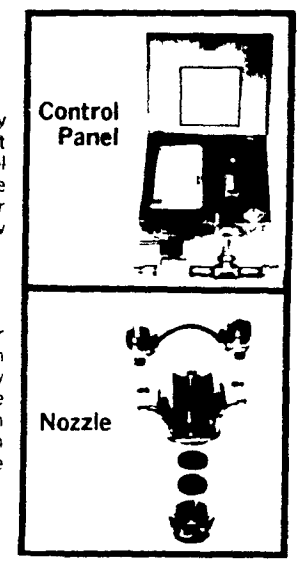
It s different with hogs High temperatures cause them a great deal of stress because they can t sweat When under this stress due to heat hogs will lose their appetite weight gains drop there is poor feed conversion conception rate is reduced and pens become a mess All of this adds up to lost profits

THE SOLUTION:

When the temperature is above 72° F even ventilation can t cure the stress that results But a sprinkler cooling system can help your hogs where nature fell short giving them a chance to cool off It sprays them with coarse water droplets to reduce their body temperature The idea is simple but extremely effective

THE SYSTEM:

The sprinkle cycle is turned on automatically whenever the barn temperature rises above a preset level 72° F Throughout this on period the control functions to permit sprinkling to occur for a preset time period each hour (2 minutes/hour is recommended for best results) When the barn temperature drops below 72° F the cycle is automatically interrupted



The nozzles are clamped to a plastic pipe strung over the gutter of slatted area at the rear of the pen Each nozzel covers a 5 6 foot diameter area which usually means one nozzle per pen The nozzle assures a coarse droplet spray pattern which is important for maximum cooling A fine mist of fog is not desirable in geographical areas of generally high summer relative humidity

THE PROOF:

	Control Hogs not sprayed	Hogs Sprayed 1 min per hr above 85°F	Hogs Sprayed 1 min per hr above 70°F	Hogs Sprayed 1 min per hr above 70°F
Average daily gain per hog	1 37	1 62	1 62	1 72
Average daily feed consumption per hog	5 84	6 77	6 72	6 67
Lbs feed per lb grain per day	4 38	4 18	4 16	3 89
Lbs feed save hog	0	22	22	49
Days earlier to market	0	1	11	15

Research done at Ridgetown College of Agricultural Technology in Ontario and at the University of California have shown these results
These figures are calculated on hogs from 100 lbs up to 200 lbs

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BEST IN DESIGN, PRICE AND EXPERIENCE

New Purina plant on schedule for early 1983 opening

LANCASTER — Construction of the new Purina Chow Plant in the Hempfield Industrial Park, west of Lancaster, is on schedule and is scheduled to open early in the new year.

Heart of the newest of the chow feed manufacturing facilities of the Ralston Purina Co. is the mill structure, which rises more than 136 feet into the skyline of Lancaster County.

Illustrating the size of the construction project and the new plant, Bruce Callaway, who will serve as plant manager, explains that some 1,300 cubic yards of concrete went into the mill structure.

"It required three weeks of continuous pouring of the concrete in the construction of the mill," Callaway said.

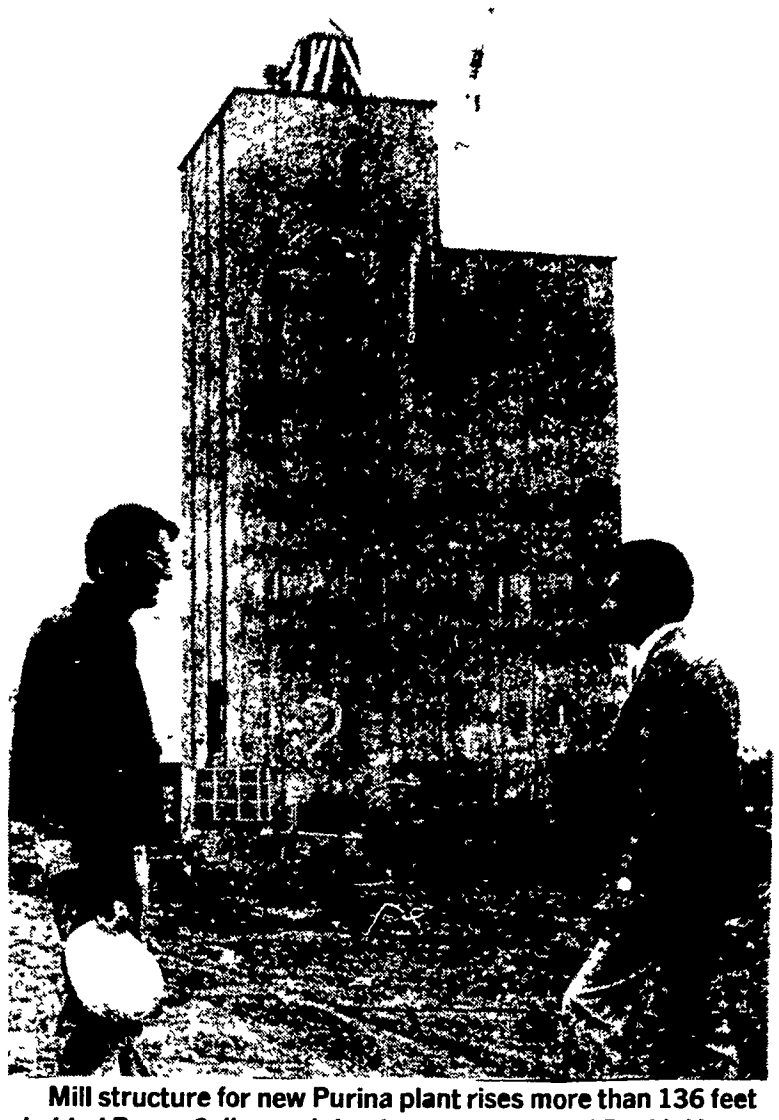
And inside the mill facility will be found some of the most modern computerized equipment in the feed manufacturing industry, according to Paul I. Hann, of R1 Washington Boro, Field Sales Manager for Purina.

"The new plant will feature a high degree of utilization of computers in the formulation the feeds and their manufacture," Hann said.

The Lancaster County plant will be connected by computer to the Ralston Purina headquarters in St Louis to take immediate advantage of the latest innovations and improvements in formulation of the various feeds.

Thus, both formulation changes can be initiated at the local plant level and from the Purina headquarters to best meet the needs of livestock and poultry

(Turn to Page D9)



Mill structure for new Purina plant rises more than 136 feet behind Bruce Callaway, left, plant manager, and Paul I. Hann, Field Sales Manager.

Plans for new Purina plant in Hempfield Industrial Park, west of Lancaster, are examined by Bruce Callaway, left, plant manager; and Paul I. Hann, Field Sales Manager. The plant, which will have an annual capacity of 150,000 tons of poultry, hog and dairy feed, is scheduled to begin operations early in 1983.

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Purina plant

(Continued from Page D8)

operators and take advantage of the best and most economical ingredients available at any particular time.

"The guiding principle of the feed manufacturing will be formulation on a least cost production basis," Hann explained.

"We will be making feeds that provide the least cost dozen of eggs in poultry operations, the least cost pound of gain in hog operations and the least cost 100 pounds of milk in dairy operations."

Literally, the computerized facilities will be capable of efficiently and quickly turning out nearly countless varieties of feed formulations to match the needs of particular livestock and poultry operations

Having a capacity of 150,000 tons a year of bulk feed production, the plant will serve a 33-county area, primarily in southeastern Pennsylvania and stretching into neighboring areas of New Jersey, Delaware and Maryland.

The plant will rely on locally grown corn and other local grains as they are available as much as is possible in the manufacturing process, Callaway said.

'Both the unloading area for incoming rail shipments of grain and the loading area for the bulk feed trucks are enclosed," he said.

"This will help insure meeting the strict quality control standards in our manufacturing process."

The more than $6 million plant is the fourth Purina farm feed manufacturing facility in Pennsylvania. It will employ some 10 to 15 people when it opens in early 1983.

It is being constructed by the Sprout-Waldron Division of Koppers Co. Approximately 30 construction personnel are involved, three-fourths of whom were employed from the local area. In addition, a number of local sub-contractors were utilized, along with various construction supplies purchased out of the Lancaster County area

"We have a lot of confidence and faith in agriculture and its future in this area," Hann said.

"This is clearly shown by the location of this new modern facility only 40 miles from the plant at Camp Hill.

"Purina will be able to provide faster and more efficient service to this important agricultural region."—DA

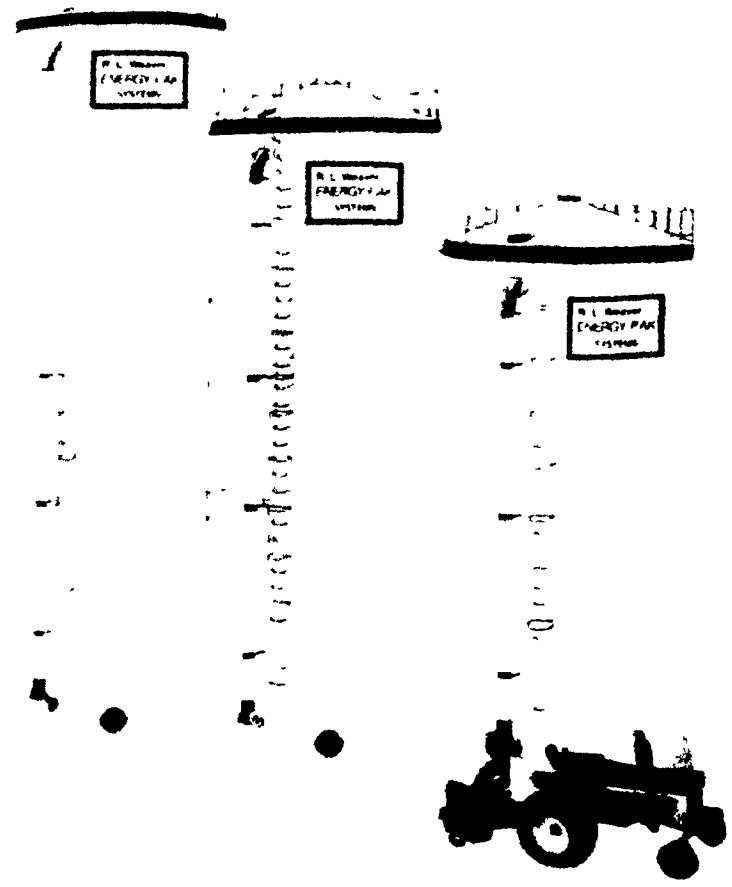
Energy-Pak Systems forms new network of dealers

MYERSTOWN — Energy-Pak forage management systems are now available through a distributor sales organization of dealers located throughout the United States and Canada

Energy-Pak systems feature a monolithic poured concrete oxygen controlled storage structure, and first in/first out bottom unloading of materials with the Little David bottom unloader.

Advantages of the Energy-Pak system include 6-inch concrete walls eliminate the wide fluctuation in temperature changes of materials stored, a monitoring system that teams up with the insulating ability of concrete to control gases and maintain a stable condition inside the structure, a blow-it-full system that gives uniform filling and the ability to open and close fill doors from the ground, and a low-maintenance bottom unloading system

Richard L Weaver, president of Energy-Pak Systems, Inc, Myerstown, has been perfecting the Energy-Pak program for more than 20 years and now has a basic program from construction and operation that is uniform and being used by the distributor organization all across the United States and Canada The Weaver family has been building forage and silage storage structures for more than 75 years



U.S. and Canadian dealer network for the sale and distribution of poured concrete oxygen controlled forage storage structures has been organized by Energy-Pak Systems, Inc., of Myerstown.

Hall gets crops post in Franklin

CHAMBERSBURG — Tom Hall, a native of Culpeper, Va , has recently assumed the position of manager-technician for the newly-organized Franklin County Crop Improvement Association, according to County Extension Director, John Shearer

Hall graduated from the University of Maryland in 1977, with a B S in Agronomy He ran the soil chemistry laboratory at the University for one year following graduation Since then, he has occupied a half-time teaching position in the Agronomy Dept of the University of Maryland, while pursuing studies leading to his M S in Agriculture

Tom Hall

In his new position, Hall will be responsible for a total crop-management program for the members of the Crop Improvement Association, an adjunct of the Franklin County Cooperative Extension Service His office will be in the Co-operative Extension Service suite at 191 Franklin Farms Lane, Chambersburg.

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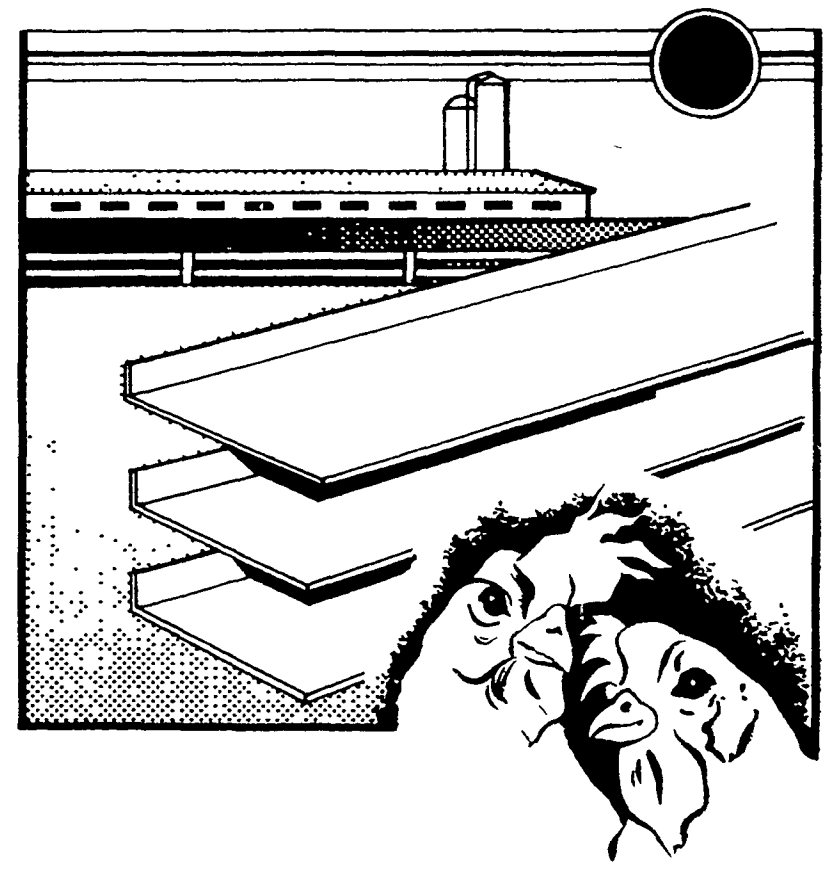

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Ambition, learning lead couple to mill business

BY GINGER SECRIST MYERS
Staff Correspondent

HANOVER — Sometimes it's not what you know, but how much you're willing to learn, that can determine where your vocational talents will lead you.

That's what the husband and wife team of Dick and Janet Hamilton have discovered in their quest to own and operate their own feedmill business. Neither Dick or Jane come from farm families, but they have combined Dick's knowledge of animal nutrition and salesmanship with Janet's business background to take over W.L Mummert Feeds in Hanover, the last of five feedmills to survive in the area

Dick, a 20-year veteran of the Navy, got into the feed business by what he calls an accident After leaving the service, he worked for the Lancaster Planning Commission. Not satisfied there, he answered an ad for a manager for a hog operation The owner didn't hire Dick, but told him that with his sales pitch, he should think about becoming a salesman. Dick did just that and joined West Willows Farmers, Lancaster.

With no formal education in animal nutrition, Dick began absorbing information from every source available, Dick began absorbing information from every source available. "I went to Purina job training courses," he recalled I read about feeds, and I talked to anyone who would talk back to me about it. I really liked working with dairy from the start

"The best teacher I had was Skip Weaver, a district sales manager for Purina. The more I learned, the more I realized that learning the business is just a matter of applying yourself."

Dick and Janet have given themselves ample opportunity to learn how to run a business Janet, who has had extensive formal training in accounting, worked as a freelance accountant for a number of businesses in the Frederick area. Dick worked for Farmers Supply Co as sales manager from 1977 to 1981

In 1981, the Hamiltons really got their feet wet in the agribusiness community when they formed the North Glade Feed Co in Keymar, Md They owned 30 percent of the Company with Dick holding the position of vice president and manager and Janet serving as office manager. However, this experience only served to whet their appetites.

"You can only work for someone else so long, and then you see things you want to do, and you want to do them your way," he said.

On the rumor that a feedmill was for sale, the couple traveled to Hanover to visit William Spahr, former owner of W L Mummert Feeds "It was two days before Christmas when Janet and I came

(Turn to Page D11)

Dick and Janet Hamilton examine some of the chicks which are marketed through their newly acquired feed business, W.L. Mummert Feeds, Hanover. The couple is establishing a Purina dealership, specializing in dairy and poultry feeds.

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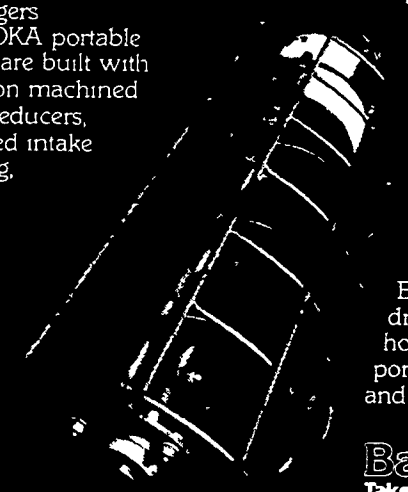

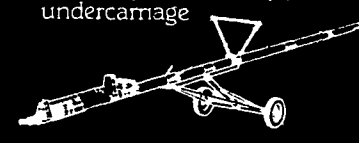

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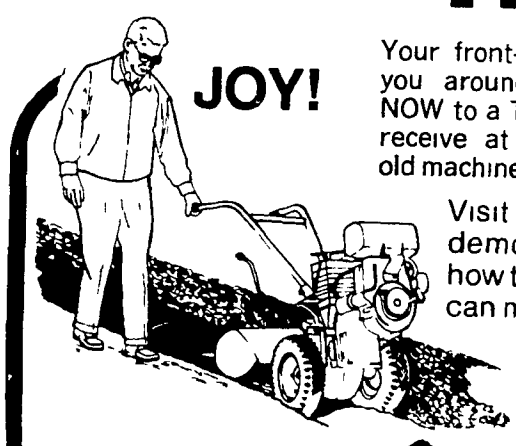

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William Spahr was seeking to retire from the mill business just as the Hamiltons were seeking to own such an enterprise.

Ambition

(Continued from Page D10)

into the store and asked if the business was for sale," Dick said "Bill said yes, if we were buying "

After three months of hammering out the financing, Bill Spahr turned the keys over to the Hamiltons. Plannning to retire at the end of the year, Spahr is still working as a salesman for the company which is now becoming a Purina dealership

The Hamiltons will carry a full line of livestock and dairy feeds, but they hope to specialize in dairy and poultry. Their business is basically bulk feeds and walk-in trade. They also handle about 60,000 chicks Dicks hopes to expand the business from 200 tons of bulk feed monthly to 500 tons He will serve as the company salesman and Janet will handle the office responsibilities.

Dick refers to himself as being from the old school since he prefers to do all his feed calculations by hand rather than through a computer

"I get into so many operations where the salesman didn't see what was really going on," he explained

"You have to be a detective and find out what is being fed I don't prefer to use a calculator to balance rations because I think it makes a salesman lazy The results are only as good as the figures put into it, and if he hasn't dug deep enough the figures don't apply I believe in feeding to the individual's needs and so I do my own calculations "

One of the areas in dairying that Dick feels needs more attention is mineral feeding

"Two years ago, I would have said the most critical area for improvement for most dairymen was the feeding of dry cows and heifers," he said "Now I see more errors in feeding minerals We've got to do a better job of balancing mineral ratios I find that farmers are paying for a lot of minerals that they don't really need "

While still greenhorns at being totally on their own, the Hamiltons are optimistic about agriculture, the economy, and agribusiness whose future depends on the trends of both

"Our in-store business is good and that helps us," Dick said "We're pleased with the administration in Washington and we believe that the farmer is a survivor Janet and I went into this giving it our all It's something we've always wanted and we just go at it day by day

USDA changes farm numbers release date

WASHINGTON, D C — The U S Department of Agriculture will publish estimates of the number of farms and land in farms in the United States in its Aug 11 crop production report

According to William Kibler, administrator of USDA's Statistical Reporting Service, the estimates originally were scheduled for release in this December's farm numbers report That release was canceled in favor of this more timely issuance, he said

The August crop production report will carry preliminary farm and land estimates for 1982 and revisions for 1981, by states Estimates will be based on the current official definition of a farm as any place from which $1,000 or more of agricultural products were sold or normally would have been sold during the year

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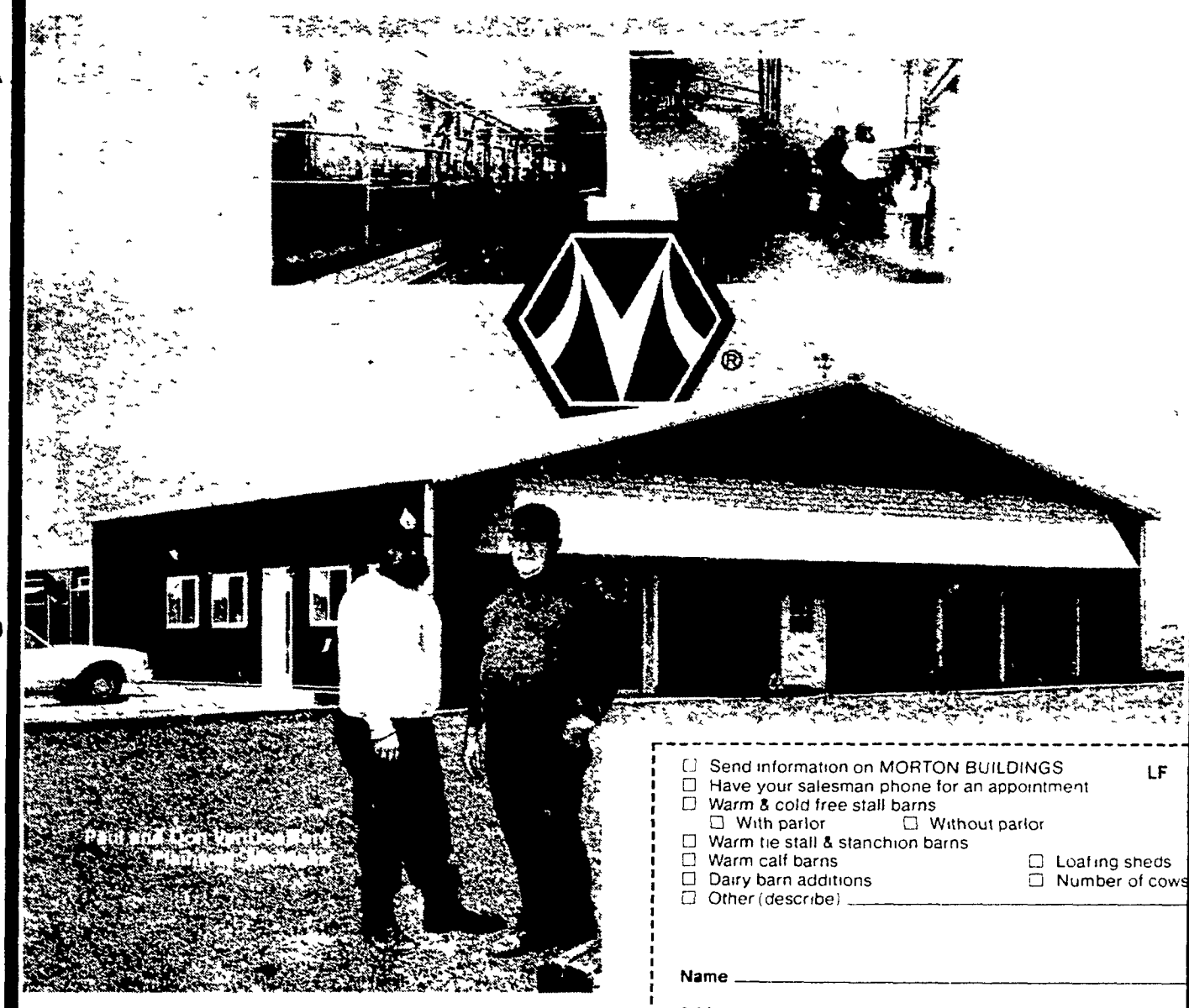

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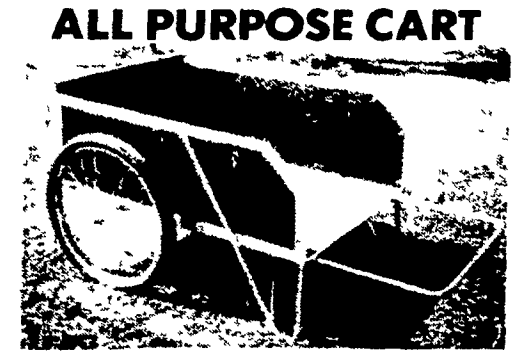

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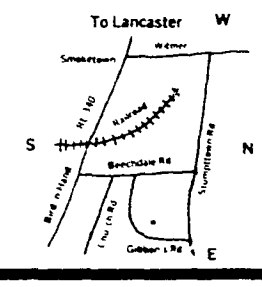


Lancaster County DHIA Monthly Report

dhia
Pennsylvania Dairy Herd Improvement Association

April 1982

A Holstein cow owned by Earl R Hursh, R1 Ephrata, had the highest 305 day lactation Norma produced 27,331 lbs of milk, 1,022 lbs of butterfat with a 3 7% test Second high lactation was completed by a Holstein cow owned by John M Harnish, 1036 Beaver Valley Pike, Lancaster Number 72 produced 26,866 lbs of milk, 1,009 lbs of butterfat with a 3 8% test in 305 days

OWNER NAME OR NUMBER	BRD	AGE	DAYS IN MILK	LBS MILK	% FAT	LBS FAT
Earl R Hursh						
Norma	GrH	5 7	305	27,331	3 7	1022
Esta	RH	5 0	305	24,473	3 5	862
John M Harnish						
72	GrH	6 3	305	26,866	3 8	1009
Nelson W Nolt						
20	RH	8 9	305	23,118	4 3	993
74	RH	2 3	305	21,576	3 4	727
Nelson H Wenger						
Irma	RH	4 9	305	21,759	4 5	977
Jello	RH	4 9	305	20,486	3 8	774
Fancy	RH	3 5	305	16,327	4 6	747
Wendy	RH	2 5	305	15,672	4 5	712
Paul H Rohrer & Sons						
70	GrH	4 3	305	22 886	4 2	960
11	GrH	3 5	305	24,048	3 5	832
62	GrH	4 7	305	20,207	4 0	808
Jonas E Zook						
Felicia	RH	7 6	305	23,536	4 0	941
Sadie	RH	4 10	305	20,965	4 3	902
Springarden Farm						
Pamela	RH	8 10	305	21,008	4 5	939
Dixie	RH	9 11	305	17,631	4 5	798
Carrie	RH	9 11	305	19,661	4 0	783
Dynamit	RH	6 9	305	21,974	3 5	772
Cora	RH	6 6	305	19,136	4 0	769
Orpha	RH	3 2	305	20,199	3 6	735
Beatie	RH	10 5	305	21,888	3 3	725
Marian	RH	5 8	305	19,476	3 7	722
Galen W Crouse						
Violet	RH	6 8	305	22,871	4 1	937
Weaver Homestead Farm						
41	GrH	5 7	305	23 545	3 9	923
53	GrH	2 4	305	15,954	4 9	788
66	GrH	2 7	305	18,521	4 1	751
91	GrH	1 11	305	18,232	4 1	746
18	GrH	2 7	305	16,946	4 3	724
45	GrH	6 4	305	20,775	3 4	700
Robert C Groff						
Idea	RH	6 5	305	20,187	4 6	919
Vern-Lee Holsteins						
Anie	RH	7 7	305	23,745	3 9	915
Saphire	RH	11 0	305	23,106	3 7	863
Winnie	RH	2 9	305	19,130	4 4	840
Ruthie	RH	4 6	305	20,408	4 0	809
Starlit	RH	4 11	266	19,404	4 1	799
Kate	RH	4 4	278	22,252	3 5	785
Glenna	RH	3 6	305	17,910	4 3	770
Mabel	RH	3 4	282	21,285	3 6	756
Robert Kauffman Jr						
Lad	RH	6 2	305	25,577	3 5	905
Alma	RH	6 8	305	20,137	4 3	871
Dottie	RH	7 3	305	24,078	3 6	861
Joyce	RH	2 11	305	19,871	3 7	727
Allen Lee Stoltzfus						
Vera	RH	3 2	305	23,444	3 8	898
Edith	RH	5 3	305	22,928	3 7	847
Anabell	RH	6 8	302	24,093	3 5	834
Dill	RH	2 2	305	16,695	4 2	701
Dal Car Farm						
32	GrH	8 0	305	23,450	3 8	889
Jay E Landis						
Lurosa	RH	8 11	305	20,624	4 3	883
Pride	RH	3 6	305	17,754	4 0	702
J Mowery Frey Jr						
Tina	RH	7 11	305	24,991	3 5	877
Prize	RH	3 5	305	19,563	3 8	747
J Robert Kindig						
Pet	RH	4 6	305	19,942	4 4	873
Paul V Nissley						
Janell	RH	6 5	305	24 156	3 6	870
Jolene	RH	7 8	305	22,027	3 8	830
Janis	RH	5 7	275	18,737	4 3	810
Jane	RH	6 6	305	19 531	3 8	744
Emanuel B Lapp						
Lori	RH	9 4	305	22,433	3 9	869
Gerald Martin						
Nedra	RH	4 2	305	20 878	4 2	868
C Victor Groff						
62	GrH	5 8	305	20,515	4 2	866
Ira D Welk & Sons						
Audrey	RH	4 9	305	22,681	3 8	863
Rosegale Farm						
Bertha	GrH	5 4	305	23,668	3 6	861
Amos W Breneman						
Topper	RH	8 4	305	21,660	4 0	858
Lester J Wiker						
Mary J	GrH	8 10	305	23,403	3 6	852
Lois	GrH	6 9	305	21,169	3 9	828
Prilly	GrH	8 7	305	19,463	4 0	787
Paul S Horning						
Dale	RH	7 10	305	19,951	4 2	838
Etta	RH	5 10	305	21,597	3 6	776
Dorcus	RH	4 2	305	20,861	3.7	776
Raymond H Good						
62	GrH	4-7	305	18,599	4 5	838
Glenn E Burkholder						
Julie	RH	4 4	305	25,478	3 3	837
Delite	RH	3 6	305	20,453	3 9	790
Bubbles	RH	4-3	305	20,664	3 7	771
Royal	RH	2 8	305	15 230	4 9	745
Glenn E Burkholder						
Apple	GrH	8-5	297	20,400	3 6	730
Ivan S Stoltzfus						
Betsy	RH	4 5	305	23,720	3 5	836
Treva	RH	2 10	305	20,118	3 5	702
R Edwin Harnish						
Marvel	RH	3-4	305	23,331	3 6	834
Samuel K Stoltzfus						
Heidi	GrH	5 9	305	24,801	3 4	831
Robert H Kauffman						
Lady	RH	4 10	305	23,524	3 5	828
Patty	RH	4-8	305	21,859	3 7	813
Dale & Steve Hershey						
Emerald	RH	7 7	296	19,994	4 1	826
Donald R Bare						
9	RH	8 6	305	19,442	4 2	826
18	RH	5 4	305	19,526	3 9	752
52	RH	3 2	305	19,084	3 8	723
44	RH	3-4	305	20,368	3 5	705
Paul K Newswanger						
11	GrH	7-9	305	20,310	4 1	825
Philip B Beiler						
Mary	GrH	5-1	295	19,518	4 2	822
Ginny	RH	3 7	305	20,202	3 6	730
Jonas O Sensenig						
9	GrH	5 10	304	19,940	4 1	821
30	GrH	5-1	305	19,424	3 7	720
Thomas C Lapp						
Hilda	RH	9 7	305	19,681	4 2	821
Phoebe	GrH	3-7	305	18,743	4 1	773
Laura	RH	6 9	305	23,536	3 2	761
Charles Smith						
13	GrH	4 2	303	20,734	4 0	820
J Floyd Kreider						
14	RH	4-7	305	20,359	4 0	819
Paul D Welk						
Buffy	RH	5 3	305	23,292	3 5	817
Pepper	RH	2 7	305	20,796	3 9	810
Sarah	RH	2 9	305	21,742	3 7	800
Britain Acres Farm						
125	RH	8 8	305	23,294	3 5	816
Albert H Mellinger						
Betty	RH	7-2	305	21,394	3 8	812
Babs	RH	5 5	305	20 760	3 8	794
Dolly	RH	4-6	305	14,182	5 3	747
Marilyn	GrH	3 10	305	19,015	3 8	732
Dawn	RH	6 7	305	20,286	3 5	707
Vernon R Umble & Son						
Sandy	RH	3 6	305	20 110	4 0	811
Ella 2	RH	4 9	305	23 271	3 3	777
Terry	RH	4 11	305	20,466	3 7	754
Ann	RH	2 0	305	17 463	4 0	707
C Nevin Hershey						
Echo	RH	5-7	305	22,844	3 5	810
Sam K Stoltzfus						
Violet	RH	5 4	305	20,793	3 9	809
Alelpa Farms						
Quinnie	GrH	7 6	305	21,190	3 8	805
John Omar Stoltzfus Jr						
Ivan	RH	8 5	305	18 945	4 2	805
J Richard Kolb						
Kay	RH	7 3	305	16 978	4 7	803
73W	GrH	8 7	305	21,573	3 6	772
Beau	RH	5 5	305	18,602	4 0	749
Kate	RH	4 5	305	19,686	3 7	737
John L Landis						
21	GrH	3 11	305	21,455	3 7	800
169	RH	6 8	305	21,581	3 3	702
Glenn R Binkley						
167	RH	5 11	305	21,115	3 8	800
174	GrH	5 8	276	20,090	3 5	713
Alvin M Martin						
13	GrH	2 11	305	21,638	3 7	799
LeRoy S Weaver						
Regal	RH	9 5	305	19,792	4 0	799
Rocker	GrH	6-7	305	20,426	3 5	724
Jean	GrH	7-5	305	21,239	3 4	712
J Richard Boll						
2	GrH	5 8	305	19,660	4 1	799
Neffdale Farm						
April	RH	3 8	305	19,012	4 2	799
Shirley	RH	4 8	305	21,539	3 5	756
Parke H Ranck						
Melody	RH	7-9	305	18,706	4 3	797
Glenn F Shenk						
Gail	RH	5 3	305	22,922	3 5	796
Nancy	GrH	6 11	305	21,554	3 3	714
Cedar Fringed Farm						
Heckuba	RG	4 2	305	17,725	4 5	793
Cricket	RG	4 2	305	17,496	4 5	784
Steve E Stoltzfus Jr						
Mabel	RH	7 6	305	19,084	4 1	790
Dennis R Bender						
71 Ger	RH	4 10	305	22,887	3 4	788
Water Flow Farm						
Coke	RH	4 7	305	19,927	4 0	788
Maggie	RH	3-4	305	23,896	3 1	746
H Landis Weaver						
Clover	RH	6 5	305	24,242	3 2	787
Lurline	RH	2 5	305	20,953	3 7	785
Meadow Vista Farm						
Pluto	RH	5 5	305	19,490	4 0	787
John S Beiler						
Mimi	RH	7 8	305	22,091	3 6	785
Belle	RH	5 4	305	18,889	3 8	710
John K Peters						
Peggy	RH	3 2	305	19 122	4 1	785
Wilmer L Shertzer						
85	GrH	5 7	305	23 454	3 3	783
John H Howard						
Rose	RH	3 1	305	22,661	3 5	782
Skyanne	RH	4 4	305	17,285	4 1	706
Clyde M Buchen						
323 Sonj	RH	7 8	299	20 136	3 9	782
Don Ranck						
160 Malu	RH	4 4	305	21,101	3 7	781
Shellenberger Bros						
Sue	RH	10 6	305	21,274	3 7	780
Tritown Farm						
Nina	RH	3 5	305	20,180	3 9	779
Luella	RH	11 5	305	26,237	3 0	774
Donald B Miller						
Bonni 42	GrH	3 9	305	19 901	3 9	779
Samuel E Beiler						
Pearl	RH	5 5	305	24,310	3 2	778
Lester M Weaver						
6B	RH	9 7	305	23,265	3 3	777
45D	RH	9 5	305	21 741	3 4	741
124	RH	8 6	305	17 273	4 1	711
Long Acres Farm						
81	GrH	3 1	305	18 707	4 2	777
Kreider s & Nickle						
37	GrH	3 11	305	21,430	3 6	774
188	RH	6 10	292	17,839	4 3	760
75	RH	8 7	305	18,504	3 8	703
Melvin J Martin						
Cecile	RH	10 6	305	19 253	4 0	771
Penn Har Va Farms						
50	GrH	7 9	305	21 159	3 6	770
J Wilmer Conrad						
Babs	RH	3 5	305	17 230	4 5	770
Marvin K Witmer						
Karen	RH	5 10	305	23,222	3 3	769
Fay	RH	5 1	305	17,743	4 3	764
Gail	RH	7 3	305	16,361	4 3	708
Henry S DeLong						
59	GrH	10 7	305	22 195	3 5	769
Elmer M High						
23	GrH	5 1	302	21,258	3 6	769
Emanuel S Smucker						
Cindy	RH	3 4	305	20,936	3 7	769
Dan Dy Dale Farm						
Ona	RH	7 2	305	21,846	3 5	768
Laura	RH	5 5	305	23,756	3 1	733
Mervin L Stoltzfus						
21	GrH	4 0	305	17 289	4 4	767
John Z Beiler						
Leola	RH	2 10	305	18,392	4 2	766
J Harold Fritz						
160	GrH	7 4	305	22,339	3 4	761
502	GrH	6 3	305	17,615	4 0	704
Rohrer Brothers						
Viola	RH	9 3	305	20 081	3 8	761
Emanuel S Fisher						
Star	RH	9 2	305	19,886	3 8	760
Sunny	RH	8 7	305	20,769	3 5	728
H H Haverstick						
Ollie	RH	4 5	305	17,346	4 4	760
Andrew G Miller						
Amy	RH	5 9	305	22,808	3 3	759
Omar S Kauffman						
Violet	GrH	9 0	305	23,131	3 3	758
Roy H & Ruth H Book						
Bubbles	RH	6 4	305	22 764	3 3	758
Samuel M Martin Jr						
4	GrH	3 9	305	19 399	3 9	757
15	GrH	2 10	305	20 978	3 6	752
Elam K Stoltzfus						
Winter	RH	6 7	305	18 920	4 0	757
Lea	RH	3 3	305	19 935	3 6	726
Daniel M Stoltzfus						
Maria	RH	3 6	305	22 458	3 4	756
Queen	RH	7 10	288	19 393	3 7	714
Running Springs Farm						
Mary	RH	9 11	305	20 205	3 7	756
Ben S Stoltzfus						
Freda	RH	3 2	305	17 379	4 4	756
K D & Else Linde						
Queen	RG	2 9	305	15 676	4 8	756
Carla	RG	7 3	305	16 568	4 4	721
Harvey W Stoltzfus						
Lena	RH	5 9	305	19 398	3 9	755
Melvin M Groff						
Katie	GrH	6 3	305	22 299	3 4	754
Marbro Farm						
Karen	RH	3 3	305	21,671	3 5	754
May	RH	3 2	305	21,811	3 4	748
Lisa	RH	4 10	295	18 512	3 8	711
Raymond & Louise Witmer						
Splnoid	RG	6 4	305	16 029	4 7	754
Mystery	RG	5 1	305	16 462	4 4	724
Bennie L Fisher						
Betty	RH	9 11	305	19,021	4 0	753
Kenneth L Beiler						
Evie	RH	3 3	305	23 109	3 3	752
Reba	RH	9 8	305	16,624	4 5	750
Marvin S Nolt						
35	RH	2 9	305	19,595	3 8	752
137	RH	9 0	305	17,271	4 2	726
9	GrH	3 2	305	18,516	3 9	717
Robert Gochenaur Jr						
66	RH	7 4	305	18,494	4 1	751
J Harold Musser & Son						
46	GrH	5 4	305	23 238	3 2	749
Shadytop Farm						
June	RH	4 4	305	23,027	3 2	748
Jacob L Stoltzfus						
4	GrH	9 5	291	17,754	4 2	748
Benuel Z Lapp						
Molly	RH	9 0	305	23,676	3 2	747
Lenewood Farm						
Trixie	RH	5 7	292	23,006	3 2	746
Flo	RH	8 8	305	21,190	3 5	734
Spring Belle Farm						
Tina	RH	5 0	305	21,758	3 4	745
C Kenneth Young						
39	RH	9 7	305	18 546	4 0	744
Ira Heistand & Sons						
Oldunko	GrH	5 7	284	17 604	4 2	744
James L High						
May	RH	5 6	305	26 097	2 8	743
Mary	RH	9 8	305	18,514	3 9	729
Clyde W Martin						
Audrey	RH	7 1	305	20 946	3 5	742
Sally	RH	6 6	304	18 711	3 8	714
Tessie	RH	4 5	305	17,315	4 1	713
Aaron Z Martin						
10	RH	2 5	287	16 886	4 4	742
Noah Kreider & Sons						
529	GrH	4 3	305	18 517	4 0	741
Dan S Stoltzfus						
Jan 9	RH	5 1	305	22 483	3 3	739
Leah 16	RH	10 10	268	21 300	3 5	739
Hanky 40	RH	4 6	305	19 517	3 7	729
Joseph C Wivell						
Laina	RH	3 6	297	21 260	3 5	739
Gerry	RH	4 9	305	20 651	3 5	729
Kenneth E Zurin						
117 Dot	RH	4 0	305	18,766	3 9	737
Thomas & Larry Aaron						
7	RJ	8 7	305	13 783	5 3	737
J M Stoltzfoos						
Peg	RH	3 6	305	18 734	3 9	736
Paul H Martin						
Edith	RH	2 5	305	18 255	4 0	735
Henry U Stoltzfus Jr						
Burke	RH	6 7	305	16 748	4 4	734
Robert W Ulrich Jr						
51	GrJ	3 2	304	16 174	4 5	734
Singing Maple Farms						
63	RH	4 1	286	19,659	3 7	733
15	RH	3 6	288	19 613	3 6	703
J Ray Ranck						
T2	GrH	3 11	305	18,606	3 9	733
Darryl Bollinger						
Mi Joy	RH	5 5	305	18,682	3 9	732

(Turn to Page D14)

PLUS 600 TPI and AVAILABLE

29 H3064 JASON

TPI +626

Twin-Lawn Elevation JASON 1684205 VG-86
Born 11/23/74 aAa 5 1 6 4 3 2
Bred by Arden Henslin Markesan WI

PD +$262 +2,157M −08% +65BF
44 Dtrs 34H 19 633M 3 5°• 692BF
USDA 1 82 RIP 0°• Rpt 73°•
PDT +1 30 Rpt 75°• **TPI +626**
HFA 7 81 40 Class Dtrs Age Adj Sc 80 1

Round Oak Rag Apple Elevation EX 96 GM
USDA PD 1477M 51F 99°•Rpt 7 81
2 32PDT 99°•Rpt 7 80 HFA

Twin Lawn Chief Jillo VG 87
3 07 2X 305d 19940M 4 1°• 810F
6 02 2X 305d 24180M 3 5°• 849F

Tidy Burke Elevation GM

Round Oak Ivanhoe Eve EX 94 4E

Pawnee Farm Arlinda Chief EX 94 GM

Twin Lawn A Jill GP 80
6-04 2X 305d 21110M 3 9°• 824F
Sire Pabst A Prince VG 87

Dtr Hemjord Jason Gail VG 86
3 11 348d 24 416M 4 4°• 1070BF
Daniel & Vernal Gomes Tulare CA

GENETIC TRAIT SUMMARY 1/82
31 Daughters 22 Herds 60°•Rpt

Fore Udder	52	
Rear Udder Height	53	
Rear Udder Width	54	Great
Udder Center Suppor	54	Udder
Udder Depth	53	Bull
Teat Placement	55	
Teat Size	56	
Stature	49	Medium
Strength and Capacity	50	
Width of Rump	50	
Pelvic Angle	49	Correct
Rear Leg Set	52	Some set

Calving 15°• Difficult 39°• Prob Easy 32 Compared

ABS AMERICAN BREEDERS SERVICE

June is dairy month

29 H2960 SEXATION

TPI +600

Ocean-View SEXATION 1672151 VG-86
Born 9 11 73 aAa 1 3 2 4 5 6
Bred by Marvin L Nunes Windsor CA
Acquired from Nor Cal Sires Santa Rosa CA

PD +$212 +1 460M + 07% +64BF
42 Dtrs 29H 19 441M 3 7°• 725BF
USDA 1 82 RIP 18°• Rpt 72°•
PDT +2 38 Rpt 66°• **TPI +600**
HFA 7 80 31 Class Dt s Age Adj Sc 83 4

Round Oak Rag Apple Elevation EX 96 GM
USDA PD 1477M 51F 99°•Rpt 7 81
2 32PDT 99°•Rpt 7 80 HFA

Ocean View Citation Sheri VG 86
3 06 2X 321d 19050M 3 8°• 729F
4 08 2X 323d 23360M 3 6°• 849F

Tidy Burke Elevation GM

Round Oak Ivanhoe Eve EX 94 4E

Rosafe Citation R GM

Ocean-View Mistress Sonia VG 87
S re Ida Falls Stylemaster EX 90 GM
Dam Ideograph Bu kgov Steps EX 90 2E GMD

Dtr Sleepy Hollow Sex Beauty EX 90
4 10 244d 23 550M 3 2°• 761BF Inc
Nunesdale Farm Santa Rosa CA

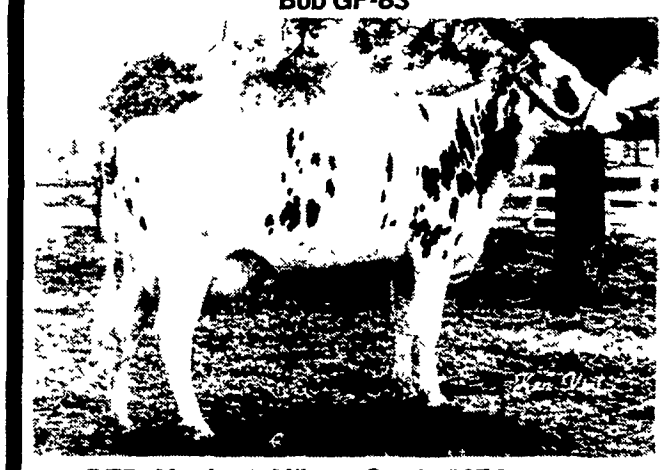
GENETIC TRAIT SUMMARY 1 82
19 Daughters 25 Hc ds 63° Rpt

Fore Udde	52	Sup• fore udder
Rear Udde Height	52	F ne
Rear Udder Wid h	53	Rea ud ers
Udder Center Suppor	5*	Strong sup ort
Udder Depth	49	
Teat Placemen	51	Ideal
Teat Size	50	Cor ec
Stature	52	Upstanding
Strength and Capacity	55	Ex emely s ong
Width of Rump	52	Wide
Pelvic Angle	50	
Rear Leg Se	50	Cor ec

Calving 18°• Difficult 18°• Prob Easy 64 Compared

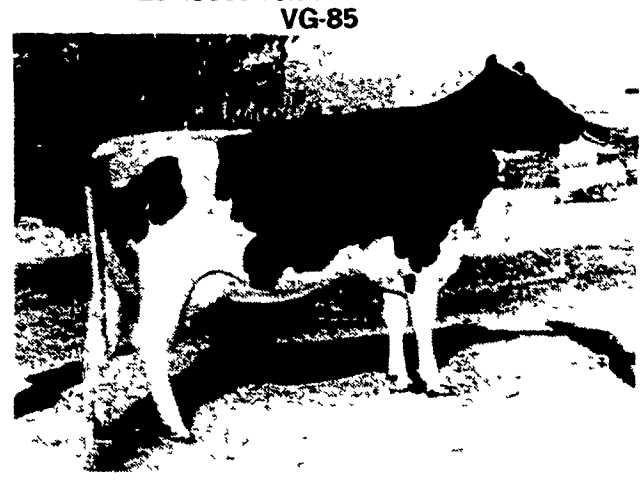
These Top 50 TPI SIRES ARE ALSO AVAILABLE

29H3105 MILMAY Kingpin Elevation Bob GP-83



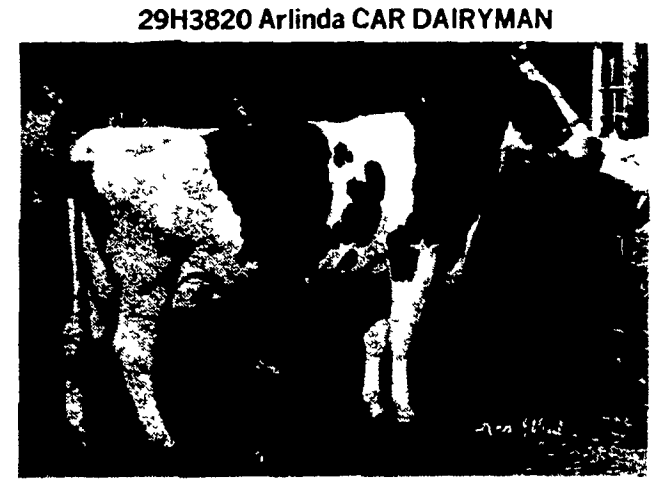
DTR: Muelrath Milmay Grade #276
2-8 305d 19,220M 3.8% 689F
USDA 1-82 RPT 67%
PD +$232 +1,748M +.00% +64F
HFA 7/80 RPT 55%
PDT +1.50 TPI +575

29H3085 Joludi ELMER Chief VG-85



DTR: Sousa Elmer Grade #794
3-6 114d 10,370M 4.2% 440F
USDA 1/82 RPT 70%
PD +$250 +1,814M +.04% +72F
HFA 7/81 RPT 68%
PDT +.11 TPI +516

29H3820 Arlinda CAR DAIRYMAN



DTR: Rocking-C Dairyman Grade #293
3-0 305d 21,970M 3.7% 807F
USDA 1/82 RPT 54%
PD +$188 +1,384M +.02% +53F
HFA 7/81 RPT 54%
PDT +1.54 TPI +492
(Red Factor)

CONTACT YOUR LOCAL ABS REPRESENTATIVE

IN PENNSYLVANIA

Allenwood, PA	George Showers	717-538-1812
Bangor, PA	Eric Heinsohn	215-588-4704
Carlisle, PA	Wayne Piper	717-532-4401
Clifford, PA	William Horton	717-222-3224
Coburn, PA	Wendel Musser	814-349-5310
Columbia, PA	James Charles	717-898-8694
Dornsife, PA	Steve Kieffer	717-758-1714
Ephrata, PA	Darvin Yoder	717-733-0966
Holtwood, PA	Paul Herr	717-284-4592
Lebanon, PA	Paul Martin	717-949-2381
Leola, PA	Lynn Gardner	717-656-6700
Linden, PA	Larry Bower	717-323-9710
Mansfield, PA	Harold Robson, Jr.	717-662-7731
Mifflinburg, PA	John M. Beachy	717-966-1344
Mifflintown, PA	Mervin Zendt	717-436-6386
Millville, PA	Wilmer Hendricks	717-458-5949
Prospectville, PA	William Tyner	215-542-8479
Reading, PA	Robert Greider	215-378-1212
Reedsville, PA	Glenn Barr	717-667-2775
Stewartstown, PA	Tom Engle	717-993-6836
Thomasville, PA	Ira Boyer	717-225-3758
Ulysses, PA	Bonnie Barker	814-848-7674
West Grove, PA	Brian Geesaman	215-869-9187

IN NEW YORK

Pen Yan, NY	Calvin Crosby	315-526-6144

IN DELAWARE

Kirkwood, PA	Dan Rush	717-529-6548

IN NEW JERSEY

Baptistown, NJ	Cindy Gordeuk	201-996-2088
Elmer, NJ	Cyndy Hetzell	609-455-8187
Lambertville, NJ	Robert Fulper	717-658-7316
Port Murray, NJ	Robert Kayhart	201-689-2605

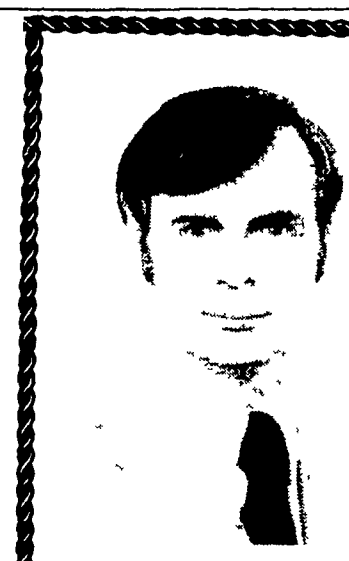
IN MARYLAND

Detour, MD	Jim Carmack	301-662-5419
Mt. Airy, MD	Allan Pickett	301-663-4191

Lancaster Co. DHIA

(Continued from Page D12)

Pequea Meadows Farm						
115 Fthr	GrH	4 10	305	19 014	3 8	/31
Jonas B Lantz						
Conni	RH	/ 1	305	21 689	3 4	/30
David B King						
Paula	RH	6 6	305	16 916	4 3	/30
Weaver & Burkholder						
32	RH	6 10	305	23 254	3 1	/29
Rhelda & Lynn Royer						
Parkay	RH	7 3	305	19 171	3 8	/29
Bondy	RH	2 8	305	16 517	4 3	/16
Mitten	RH	2 5	305	17 457	4 1	/13
John W Martin Jr						
7	GrH	4 1	305	18 653	3 9	/26
Harry Zimmerman Jr						
Donna	RH	6 /	305	18 325	4 0	/26
James Rutt	RH	6 5	305	20 677	3 5	/25
Earl N Landis						
Sheila	RH	6 1	305	22,422	3 2	/24
Irwin W Engle						
164	RH	2 5	304	17 162	4 2	/24
Elmer & Kerry Boyd						
Daisy II	RH	4 7	305	21 871	3 3	/23
Willis M Martin						
Vickie	GrH	4 7	300	21,852	3 3	/23
Aaron B Lantz						
Marble	RH	4 1	305	15,860	4 6	/23
Mag	RH	6 0	293	19,648	3 7	/22
Calvin D Beiler						
Floreta	RH	6 4	305	20,868	3 5	/22
Daniel E Fisher						
Dona	RH	6 0	305	18,010	4 0	/21
John E Glick						
Julia	GrH	4 5	302	20,194	3 6	/20
Elmer S Fisher						
6	GrH	4 11	305	17,534	4 1	/20
Titus B Stoner						
Starla	RH	6 2	305	19,872	3 6	/19
Content	RH	6 11	305	15,544	4 5	/02
Edgefield Farms						
Janet S	RH	7 2	305	18 988	3 8	/19
David E DeLong						
153	GrH	3 5	305	15 686	4 6	/19
J E & Shirley Hershey						
Fran	RH	2 10	305	19 727	3 6	/18
Elam Petersheim						
Clarion	RH	2 /	305	21 940	3 3	/1/
David D Zimmerman						
Luann	RH	7 10	305	17 412	4 1	/16
Hiram S Aungst						
Rae	RH	3 /	305	20 533	3 5	/15
John P Lapp						
Noreen	RH	2 9	305	21 591	3 3	/14
Joseph L Fisher						
Pet 17	GrH	6 8	305	19 219	3 7	/13
Robert L Shelly						
Ruth	RH	3 6	305	21 414	3 3	/11
Betty	RH	10 11	305	19,262	3 /	/09
Glenn C Hershey						
Tara	RH	9 4	305	20 625	3 4	/11
Harlan W Hoover						
30	GrH	5 3	281	20 155	3 5	/11
Amos B Lantz						
Cherry	RH	3 2	305	20 500	3 5	/10
John Omar Stoltzfus						
Susan RH	8 2	305	RH	20 008	3 5	/09
Marvin Reed						
Kate	GrH	4 0	305	18 429	3 8	/09
Daniel W Fox						
Sylvia	GrH	9 1	305	18 368	3 8	/07
Jacob S Dienner						
Nancy	RH	4 5	305	17 067	4 1	/07
Mar Mulldale Farm						
Lusa 160	RG	4 6	305	15 061	4 /	/07
David L Landis						
Marie	RH	6 2	305	18 /12	3 8	/06
John E Kreider						
Flicka	RH	3 8	291	17 507	4 0	/05
Paul S Sauder						
Idol	RH	3 6	305	18 653	3 8	/03
Pequea Heights Farm						
Honey	RH	6 9	305	20 483	3 4	/01
A Dale Herr						
54	GrH	6 /	305	18 526	3 8	/01
Romella Farms						
Charity	RG	5 /	305	14 815	4 /	/00



Dairy Pipeline

By
Glenn A. Shirk
Extension
Dairy
Agent

Summer Mastitis

Summer time is a time to be extra careful about preventing mastitis. Mastitis causing bacteria like warm temperatures. The rate at which they multiply doubles with each 10°F increase in temperature, especially in the presence of moisture and filth

Cows, in a desire to keep comfortable on hot summer days, seek moist areas to lie down in and water - often stagnant - to wade in; that's where the bacteria populations are highest. They crowd under shady areas or in breezy locations, making the area sloppy - ideal for bacteria.

Because of poor ventilation, barns become wet and mucky; thus, bacteria populations build up. We crowd cows into holding areas, exposing their udders to more filth and moisture - and bacteria. This also happens whenever cattle huddle together whether it be to combat flies or to catch a breath of fresh air or a piece of shade.

The bacteria that tend to be most of a problem under these conditions are of the environmental type, primarily coliforms and strep non ags. They are also the more difficult kind to deal with.

Reduce Bacterial Populations

One of the best ways to combat coliform and strep non ag types of mastitis infections is to protect the udder and teat ends from high populations of these bacteria. The lower the bacterial population, the lower the risk of infection.

The task of prevention starts now – before you have the problem! Keep the premises dry and clean, and keep cows dispersed. This may require filling in water holes and fencing cows away from wet areas and ponds. Grade lots for good drainage. Scrape alleys and lots frequently. Keep free stall beds level full, clean and dry.

Provide plenty of shade in a clean area; the best shade is a well ventilated barn. Good ventilation removes heat, humidity and air borne bacteria; it keeps the barn drier and cleaner, and helps to keep the cows more dispersed. Suspended ceiling fans have helped to improve conditions in some of the wide, hard-to-ventilate free stall barns. The holding area should also be well ventilated and the cows should not be overly crowded or forced to stand for long periods of time.

Cleanliness in the dry cow and

(Turn to Page D15)

ANCHOR SILAGE INOCULANTS
DRY or WATER SOLUBLE

1 oz. in water treats 10 tons.

Most economical way to apply.

Two sizes: 5 oz. to 30 oz.

- The natural way to preserve haylage or silage
- No chemicals or drugs
- Keep your protein, dry matter, energy
- Reduce shrink and improve palatability with ANCHOR'S NATURAL SILAGE INOCULANTS

Ask About ANCHOR'S
FREE VACCINES and GIFT OFFERS

ROBERT BOYER
RD 9 Box 496
Carlisle, Pa 17013
717-249-1195 or
717 776-5335 or
249-1253

J.G. AGRI-SERVICE
RD 6
Manheim Pa 17545
717-665-6727

J. MELVIN WENGER
RD 1 Box 312
Elizabethtown Pa 17022
717-367 2126

ELWYN KIE/AGRI-SERVICE
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Dairy Pipeline

(Continued from Page D14)

maternity areas is equally important. The cow's teats ends are particularly vulnerable to bacterial invasion a few days after drying off, until the sphincter muscle around the end of the teat closes tightly and the protective plug forms in the teat end. As the cow bags up and starts dripping, she loses the protection provided by the teat plug. During these vulnerable periods, it may be beneficial to dip teats of dry cows at the beginning and end of the dry period with a bactericide dip. Dry treating also gives cows added protection, especially in the early part of the dry period.

The Milking Cow

For further prevention at milking time, be sure to use a sanitizer in the udder wash solution and use individual cow towels. Yes, I know it takes a lot of towels, but towels are far cheaper than mastitis! In washing the udder, wet as little of the udder as possible, and have the udder dry before applying the milking units. The last thing you want is dirty udder water collecting around the top of the inflation, being sucked into the inflation and then being impacted against the open teat end; that's just like injecting bacteria right into the teat canal

Try to milk infected cows last. After cows are milked, dip teats immediately with a good bactericide dip. One exception: if you have a lot of coliform and strep non ag infections, you may want to switch to a dip that puts a protective film on the teat end; they'll be a nuisance, because you'll have to peel off the shield before each milking. Most shielding type dips contain no bactericide So, after the most vulnerable periods of warm mucky summer days, you may want to switch back to a bactericide dip.

Cows, particularly heavy producers, like to lie down immediately after being milked For further protection of the tired teat end after milking, keep cows standing by getting them to the feed bunk and penning them out of the free stall area This gives time for the sphincter muscle on the teat end to close more tightly before they lie down and their teats are exposed to stall beds

Work closely with your veterinarian in culturing and treating infected cows and in setting up a dry cow treatment program To minimize the spread of infection, and to help reduce buildup of bacterial populations throughout the entire barn, consider segregating infected cows from the rest of the herd

Many cows may not respond to treatment during lactation Your only hope might be a good dry cow treatment program Cows that still fail to respond are good candidates for culling. And, if you are buying replacements, be sure you're not buying another mastitis problem You might want to use the CMT test on cows to be purchased, to be sure they are "clean "

And, don't forget your milking machine. It needs to be properly installed, properly maintained and properly operated. Don't let the milking machine and your milking technique set cows up for mastitis infection

Mastitis is not a problem that can't be conquered, but some infections are harder to fight than others One thing is certain, any type of infection can rob you blindly You never really see the biggest costs of mastitis you just feel them in the form of not having enough cash to cover all your expenses These big unseen costs are in the form of lost production and increased culling rates

Winning the hard fight against mastitis, especially the environmental types of coliform and strep non ag requires doing a lot of things correctly – all at the same time and over an extended period of time If you have a problem hopefully some of these ideas will be of some help to you The fight won't be easy, so stick with it and have a lot of patience

Dry milk heads to Poland's hungry

BALTIMORE, Md — National Farmers Organization, a nationwide organization dedicated to collective bargaining for farmers and ranchers, delivered 37,500 pounds of powdered whole milk to church organizations here Wednesday for distribution to the needy people of Poland

The ceremonies took place at the Baltimore docks with DeVon Woodland, president of National Farmers, making the official presentation

The powdered milk left Dietrich's Milk Products, Reading, Berks County, early Tuesday morning

National Farmers arranged last February for the food to be distributed by Catholic Relief Service and Church World Service — two organizations that have been active in relief efforts in Poland as well as in other ravanged areas of the world

Early in April, National Farmers delivered 100,000 pounds of flour to the church organizations in ceremonies at the flour mill in New Prague, Minn

A shipment of canned meat is scheduled for delivery in the next few weeks, Woodland said, and that will complete the voluntary contributions of food

The action was taken when food shortages began occuring in Poland as a result of disturbances created when Polish farmers attempted to obtain certain basic rights

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Box 713, 1147 Lititz Pike, Lancaster, Pa 17601
Lebanon Valley Livestock Market, Inc. (Tues.)
R D #1, Fredericksburg, Pa 17026
Leesport Market & Auction, Inc. (Wed.)
Box B, Leesport, Pa 19533
Meadville Livestock Auction (Wed.)
Box 207 R D #3 Conneautville, Pa 16406
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Box 444, Martinsburg, Pa 16662
New Holland Sales Stables, Inc. (Mon., Wed., Thurs)
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Brockett's Ag Advice

By John E. Brockett
Farm Management Agent
Lewistown Extension Office

Planning

Planning is the greatest tool available to a farm manager. It is the one tool over which he has complete control He can involve others or "go it alone". It is free except for the time involved. Yet its returns can be great in time saved, problems solved, and dollars earned

Part of planning is putting your ideas down on paper. This may bring spring euphoria down to earth. That is just what many farmers need. Those who refuse to face up to present day economic fact may not have to worry about planning next spring, unless it is planting for the going-out-business sale

There are several sayings that fit the situation "Don't bite off more than you can chew" is one.

Too Much

Some farmers feel that the more land and the more cows the better The end result of both is a loss of efficiency

Too many acres mean

— a strain on the fertilizer dollar, so we reduce the cost by cutting back on lime or fertilizer on herbicide or all three;

— a strain on planting time, so we hurry up and plant all of the corn then call on someone to spray it (often part of it never gets properly sprayed;

— corn is planted in wet or cold ground with resulting poor germination;

— alfalfa is seeded in poorly prepared seed beds;

— lack of lime affects herbicide effectiveness;

— or we neglect the cows to get crops done right. The end result is a reduced efficiency in the use of our operating dollar

Let's look at farm analyses examples from 1981 which I have been reviewing. In order to look at them comparatively, I deducted interest and labor from operating expenses The rest of the cash costs I called net operating expense The range in the amount of cash income that it takes to pay this cost was 43 to 89 percent That means that it took 43 cents out of every dollar worth of income to pay cash expenses other than labor and principal on one farm and 89 cents out of a dollar on another similar farm. A lot of times this was because the less efficient operator was more interested in acres than yield per acre

How Much?

The amount of acres one person can handle depends on a lot of factors Available managerial help is probably one of the biggest. Individual ability is one that is seldom properly recognized. Distance, soil type, size of fields. and available equipment are others

Basically it takes 4 to 8 hours of time per acre for corn including machine maintenance. It also takes 8 to 15 hours per acre of hay if it is harvested 3 times (somewhat less for haylage than hay) Since those hours come in a limited period of time any delays, reduced efficiency of use, or misplanting makes it seem like more of an impact than the same loss of time with a dairy cow where labor is spread over an entire year.

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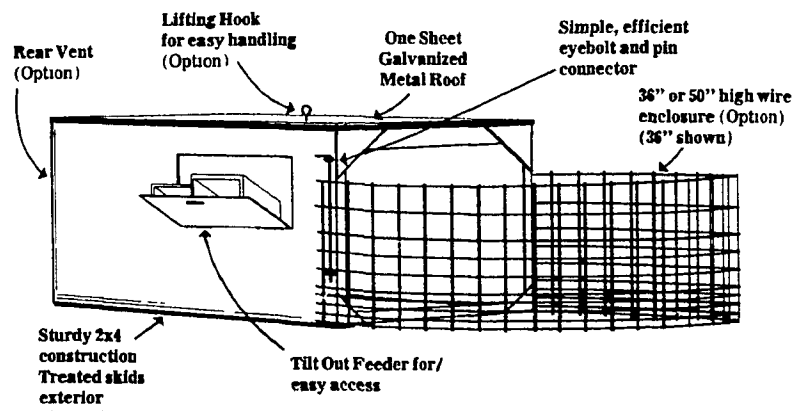
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Average Feed	Days in Milk	Average Milk
June-Dec 17.8 lb/cow (1981)	189	45 lb/cow
April 19.7 lb/cow (1982)	200	50 lb/cow

- 5 lb Milk increase @ $13 /cwt or $ 13/lb = $ 65
- 1 9 lb. Feed increase @ $ 10/lb = 19

$ .46 extra income/cow
X 60 cows
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(1981)

Total Mix Ration		Dairy-Tronic	
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Grain Fed-831 lb/day	= 133 94	Grain Fed-793 lb/day	= 129 66
Magnetic Feeder - 30 cows @ 4 lb/day = 120 lb/day	= 12 00		
Total Mix Ration Total cost/day	$278 69	Total Dairy-Tronic cost/day	$243 60

SAVINGS

Total Mixed Ration cost/day = $ 278 69
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Rains delay planting in U. S. corn belt

WASHINGTON, D.C. — Persistent showers in many western corn areas of the U.S. caused further delays in planting according to a report issued last week by the Joint Agricultural Weather Facility of the U.S. Departments of Commerce and Agriculture. Some fieldwork delays also occurred in parts of Canada and some northern crop areas of western USSR. Generally dry weather and above-normal temperatures stressed crops in the North China Plain and created unfavorable conditions for uniform emergence of spring grains in the USSR New Lands.

Highlights of the report

— **United States.** Warm, wet weather aided crop growth in the eastern cornbelt and southeastern portion of the country The rain improved soil moisture conditions for soybean planting in these areas. Persistent showers produced locally heavy rain throughout the western Corn Belt causing further planting delays. Moisture supplies are generally adequate for wheat development in the Great Plains but locally heavy downpours may have hampered fieldwork and increased the possibility of crop lodging.

— **Eastern Asia.** Episodes of unfavorably hot, dry weather continued to plague important crop areas near the Yellow River on the North China Plain. Nonirrigated crops were most seriously affected, but some shriveling of wheat in irrigated fields was likely. Rainfall south of the Yangtze River slackened somewhat, allowing flood-stricken areas in Guangdong to dry out. In South Korea, conditions should have remained favorable for planting rice despite a second week of below-normal rainfall.

— **Southeast Asia.** Rainfall increased over much of Thailand as monsoon showers moved further northward. Many locations reported above-normal rainfall for the week. Rice planting should be in progress in most areas.

—**South Asia.** Drier weather returned to the wheat harvest areas in northern India and Pakistan. Premonsoon showers co.. ued over the southeastern two-thirds of India. The monsoon appears to be approaching on schedule from the southeast

— **Northwestern Africa.** Rains early in the week over some inland crop areas of Morocco were followed by generally dry weather. Winter grain harvesting should be advancing rapidly in the south. Many winter grain areas of Algeria and Tunisia had little or no rainfall, but persistent wet weather in some inland areas disrupted harvesting.

— **USSR.** Persistent showery weather continued over some northern crop areas of European USSR causing further delays in fieldwork. Mostly dry weather continued over the Ukraine while beneficial precipitation, in the North Caucasus, improved growing conditions. Weekly temperatures were below normal over most of the region with well-below normal readings in the northeast European USSR. In the New Lands, generally dry weather and above-normal temperatures persisted over the spring grain area. At the present, intensive spring grain sowing is occurring over many areas and abundant rainfall is needed soon over the entire area.

— **Europe.** Widespread precipitation fell over crop areas of England, northern France and most of northern Europe benefiting both winter grains, and emerging spring sown crops. Some grain areas in Spain also received beneficial moisture. In southeast Europe, mostly light scattered precipitation maintained favorable growing conditions for all grain crops.

— **Canada.** Wheat planting made some progress in the Prairie Provinces during the week but persistent showers in some areas kept planting progress below that of the past 2 years.

— **Australia.** Beneficial light showers fell over West Australia, Victoria and South Australia. The major producing state of New South Wales needs additional moisture for planting while early seeded wheat in Queensland had adequate subsoil moisture but limited topsoil supplies for early growth.

— **South America.** Widespread showers fell over Brazil's crop area during the first half of the week. Some delays in the harvest of late-maturing soybeans occurred in western Rio Grande do Sul while significant rains in Sao Paulo interfered with the citrus and coffee harvests. The rainfall is southern Brazil improved topsoil moisture supplies needed for early wheat development. Mostly dry weather occurred in Argentina during the week which aided crop harvests.

— **Mexico.** The rainy season intensified over the south and spread the first significant rains of the season over most of the southern Plateau cornbelt. The moisture should greatly help the young crop which had been generally moisture stressed since planting.

Avoid butterfat depression

LEXINGTON, Ky. — Now's the time when many dairymen notice decreases in their herds' butterfat tests. Warmer weather and lush green forages are often to blame for this seasonal butterfat depression.

"Low butterfat creates a lot of concern among dairymen who place their cattle on pasture in the summer," observes Dr. Gary Lane, extension dairy nutritionist at the University of Kentucky.

"It's not uncommon to see drops of .3 to .5 percent within the first two to three weeks that cattle are placed on green grass."

Lack of adequate fiber in the ration is the reason behind this butterfat depression, Lane says.

"Cattle are switched from a winter ration that has a controlled level of fiber to pastures that contain relatively little fiber. Cows fill up on green grasses and don't eat enough to dry hay or silage to get the fiber they need," he explains.

Cows fed inadequate fiber spend less time chewing, and so produce less saliva to buffer rumen acids Without the proper acid-base balance in the rumen, butterfat production can suffer.

To prevent summertime butterfat depression, Lane suggests that producers feed dry hay before turning the milking herd out to pasture each day. This will prevent cows from overfilling on lush green forages, and insure adequate fiber intake.

He also recommends addition of sodium bicarbonate at 1 to 1.5 percent of the grain mix, providing each cow with about 1/4 pound of the feed ingredient per day. Bicarb supplements the animal's natural buffering system, stabilizing rumen pH and helping maintain normal butterfat levels, Lane explains.

Hot weather can also cause butterfat depression, Lane adds, although other factors besides low ration fiber may contribute to this problem.

"Sodium bicarbonate can help overcome low butterfat production caused by reduced dry matter intake during periods of hot weather," he says. Again, his recommendation is 1 to 1 5 percent of the grain mix

'Whether or not a dairyman sees a seasonal decline in butterfat depends to some extent on his winter feeding program," Lane points out.

"If cattle are getting high levels of corn silage and no dry hay during the winter months, he may already have a butterfat depression problem and not be aware of it. In this case, he may not see a drop in production in the summer."

"The only way to be sure is to feed a well-balanced ration that includes at least 15 percent fiber on a dry matter basis. And consider the use of sodium bicarbonate if you suspect butterfat depression," he concludes.

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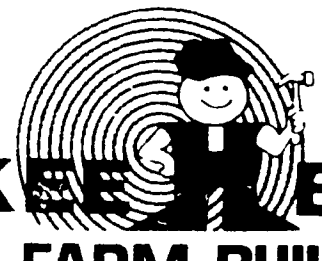

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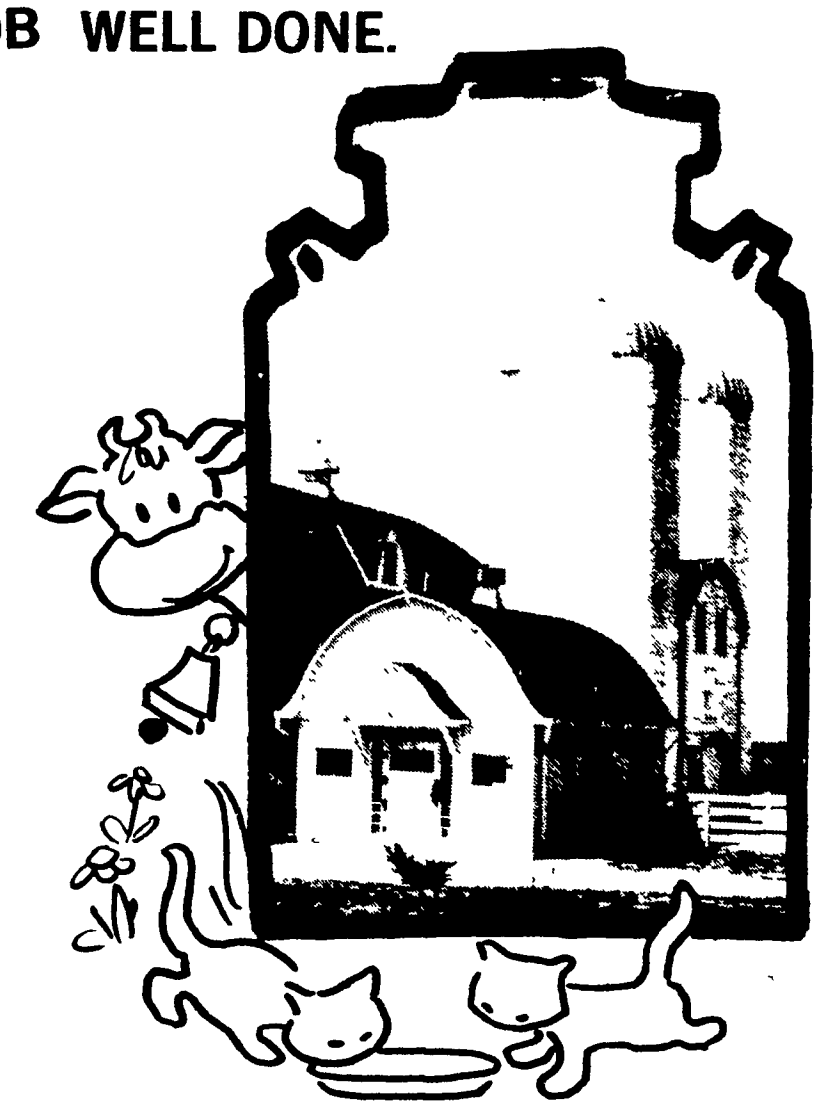


June is dairy month

Dairy farmers and their families who live and work in our community deserve our thanks. They help our community remain stable and healthy. We congratulate them during June Dairy Month and thank them for their contributions.

The Staff of
Lancaster Farming Newspaper

P. Hereford Assn. publishes first sire summary

KANSAS CITY, Mo — The American Polled Hereford Association has announced the completion of its first national sire evaluation report.

Listing 618 bulls, the 1982 Polled Hereford Sire Summary was published June 1 and represents a complete analysis of sires, giving expected progeny differences for birth, weaning and yearling weights, plus estimated breeding value for maternal performance

The data used to generate this listing has been accumulated since 1964 when the APHA's Guide Lines Program was started," said Jim Gibb, APHA's director of education and research "The summary is the first complete 'road map' to herd improvement in addition to being a tremendous tool for breed and beef industry advancement."

Each sire listed in the summary has an easy-to-read data table giving actual pound expected differences for growth of his calves at weaning and yearling stages with corresponding scores for the accuracy of the prediction His maternal estimated breeding value also has an accuracy score, plus the number and distribution of his daughters in production

The summary has documented the wide variation of sires available in the breed for making genetic improvement," Gibb said. "For instance, there are trait-leading sires predicted to increase yearling weights by more than 60 pounds, compared to the average, and weaning weights by more than 40 pounds. Moreover, the availability of birth weight and maternal information, in addition to growth, gives producers the opportunity to identify sires which best fit the needs of their breeding programs "

Of the trait leaders for weaning and yearling weight, at least six different Polled Hereford families are represented, indicating the broad genetic base breeders have to choose from when planning breeding programs Most of the breed's proven superior sires are listed, as are younger bulls who have enough progeny for accurate data analysis

The sire summary data also document the genetic improvement the Polled Hereford breed has accomplished According to the analysis, which was conducted by Iowa State University, Polled Hereford breeders have increased weaning weights by 2 45 pounds per year and yearling weights by 3 52 pounds per year from 1967 to 1979 According to the Iowa State researchers, this improvement in bulls for an entire breed is excellent progress

The summary was published in the June issue of Polled Hereford World magazine, with additional copies available for purchase from the APHA, 4700 E 63rd St Kansas City, Mo 64130

Chronic kidney degeneration similar to outbreak in British laying hens

COLLEGE PARK, Md — Veterinary scientists say they have found an outbreak of kidney disease in a large flock of Maryland laying hens that resembles a similar, unexplained outbreak among hens in Great Britain

The symptoms are a "severe degeneration process leading to loss of large sections of normal kidney, the subsequent development of kidney stones, acute kidney failure, uremic poisoning and death," says Dr E T Mallinson, veterinary scientist at the University of Maryland Agricultural Experiment Station

In a report to veterinarians at the 1982 annual meeting of the American Veterinary Medical Association, Mallinson said the outbreak may be linked to infectious bronchitis virus "or other infections or toxic agents "

McNess

THE PREMIX THAT WON THE MIDWEST, IS WINNING THE EAST

Koester Herd Soars To 22,094 Lbs. Milk, 837 Lbs. Fat!

Tops Illinois D.H.I.A. Third Straight Year

Most dairymen dream about reaching that magic 20,000-lb. herd average. But the LaVerne Koester family has soared past that benchmark figure on their way to topping the Illinois D.H.I.A. for the third successive year.

During 1981 the Koesters' 71 registered and grade Holsteins averaged 22,094 pounds of milk and 837 pounds of butterfat!

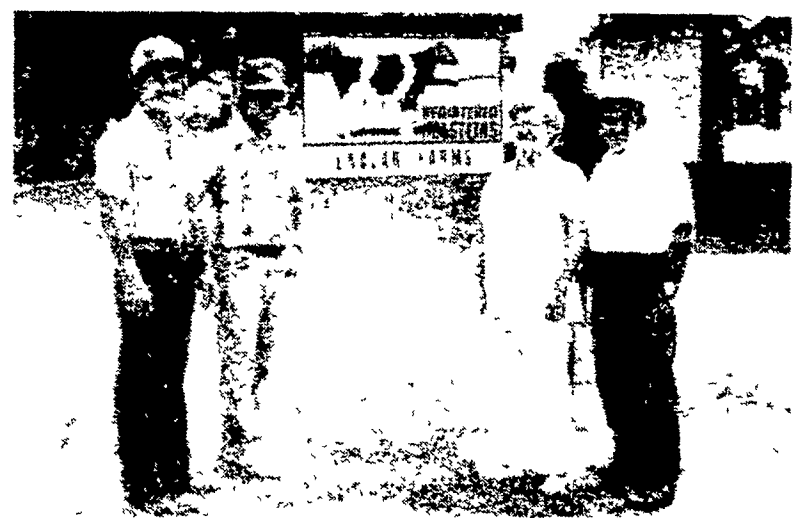
10 Years On McNess

Of course, this kind of performance does not just happen over night. Superior genetics, good planning and top management are key ingredients to the Koesters' success. Plus, they've been on a McNess Dairy Feeding Program for over a decade.

They use McNess Hi-Phos Premix, Phos-Aide 22-T, Phos-Aide 49, Vitamin and Mineral Mix (with and without magnesium), Dairy Rumen Buffer and Calf Booster-TNT.

Buffer Helps Hold Test

The Koesters are especially pleased with the difference McNess Buffer has made. Says son Dan, "There's no doubt the Buffer helps make our fat test and milk production more stable. It helps keep high producers on feed, even during hot weather when our test used to drop a little."



The management team that makes LaClar Farms tick· (left to right) sons Dan and Dave, Clarice and LaVerne Koester

Continues Dan, "Our milk cow grain ration is based on dry ground shelled corn and fed at an average of 18 to 20 pounds per cow daily. A top cow may receive up to 30 pounds."

Dry coarsely ground shelled corn	Percent 59
Soybean meal	17
Oats	13
Dry molasses	6
McNess Hi-Phos Premix	2.4
McNess Dairy Rumen Buffer	1.8
Salt	0.4

Salt and minerals fed free choice.

Emphasis On Quality

LaVerne explains that top quality forage provides the foundation for their feeding program. "We cut our alfalfa just as it starts to bud. After it shows flowers, we don't want it."

"At feeding time we blend about ⅔ haylage with ⅓ corn silage. The increased haylage provides more protein. We've found that mixing corn silage with haylage gives the cows a better appetite. They don't seem to get tired of it."

"We also feed the highest quality alfalfa hay possible. It not only provides protein, but is also an excellent source of needed fiber."

Working Together

Dairying at LaClar Farms is truly a family affair. Dan works with the cows; Dave is in charge of crops, Clarice handles the record-keeping, and LaVerne "supervises." Together they are building one of the nation's top herds. And McNess is helping them do it!

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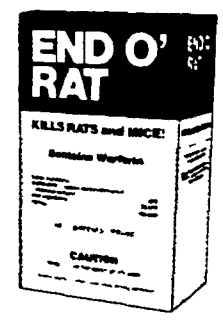

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Foreign ag land ownership up 4.9 million acres

WASHINGTON, D.C. — Less than 1 percent of U.S agricultural land is owned by foreign sources, according to a study by the U.S. Department of Agriculture.

These foreign sources reported they owned 12.7 million acres of U.S. farm and forestry land as of Dec. 31, 1981, or 4.9 million acres more than reported a year earlier. Corporations own 85 percent of the 12.7 million acres, and 64 percent is owned by U.S. corporations which have 5 percent or more foreign ownership.

Not all of the increase occurred since the closing date of the previous report. The 1981 total includes reports for 2.3 million acres that had been acquired prior to 1981 but which were filed after last year's cutoff date.

About 2.1 million acres also became classified as foreign-owned when a major U.S. corporation became 20-percent foreign-owned in 1981. These and other findings are based on an analysis of reports submitted to USDA under the Agricultural Foreign Investment Disclosure Act of 1978.

Foreigners reported plans to keep 92 percent of the reported foreign-owned acreage in agricultural production. No change in tenancy or rental arrangements was reported for 42 percent of the acres, while some change was reported for 27 percent of the acres. No responses to this question were received for the remaining 31 percent of the acres.

More state legislatures are apparently keeping tabs on foreign investment in farm and forest land. Since 1977, 8 of the 30 states with some kind of foreign landownership restrictions have either strengthened existing legislation or enacted new legislation to restrict or regulate such foreign ownership. In addition, since 1975, eight states have initiated reporting requirements.

Following are additional details on foreign ownership of agricultural land:

— Forest land accounts for 56 percent of all foreign-owned acreage, cropland for 13 percent, pasture and other agriculture for 26 percent, and nonagricultural and unreported uses for 5 percent.

— Corporations own 85 percent of the foreign-held acreage; partnerships, 8 percent; and individuals, 6 percent. The remaining 1 percent is held by estates, trusts, associations, institutions and others.

— U.S. corporations with 5 percent or more foreign ownership reported owning 64 percent of all the foreign-held acreage. The remaining 36 percent is held by foreign persons not affiliated with a U.S. corporation

— Some land is held only in part by foreign investors. These partial interests reduce the 12.7 million acres of foreign holdings of U.S. agricultural land to an equivalent of 11.3 million acres.

— Foreign persons from Canada, France, and United Kingdom, West Germany, and the Netherlands Antilles own 78 percent of the foreign-held acreage.

— The largest foreign-owned acreage was reported in Maine. Foreign holdings account for 14 percent of Maine's privately owned agricultural land and approximately 21 percent of the U.S. total of reported foreign-owned agricultural land. Three large timber companies own 96 of the foreign-held acres in Maine. One company has only partial interests in 33 percent of the acres and the other two companies are U.S companies which recently became partially foreign owned.

— Except for Maine, foreign holdings are concentrated in the South and West. Alabama, Florida, Georgia, South Carolina, and Texas contain 25 percent of the holdings while California, Colorado, New Mexico, Oregon, and Washington contain 22 percent. Rhode Island is the only state with no reported foreign-owned agricultural land.

The quantity of foreign-owned U.S. agricultural is too small to measure the impact on agriculture at the national level.

Research conducted in selected counties in California, Iowa, and Mississippi compared production, pricing, and distribution impacts of foreign ownership of land with that of domestic ownership. The small sample size makes the results indicative rather than conclusive.

The impacts of foreign investment in U.S. farmland do not appear to be uniform. The more significant differences were between tracts operated by owners and tracts that were rented, regardless of location or nationality of the owners of the rented tracts. Owner-operated tracts tended to be used more frequently for livestock operations. Owner-operators also used more family labor and tended to invest more in home, storage, and field improvements such as fencing, drainage, and irrigation.

Date gathering and analysis of foreign landholdings cost USDA about $530,500 for 1981. In fiscal 1981 and the first quarter of fiscal 1982, USDA assessed 794 penalties for late filings, amounting to about $667,857.

It's not always possible to identify the country of origin of the foreign investment. Named individuals may be holding the real estate in their name for someone else. The use of bearer shares (which are issued to "bearer" rather than in the name of an individual or entity) also may mask the country of origin of the investment.

In addition, USDA does not have the authority to inqure about interests beyond the third level of ownership, so masking the country of origin of the foreign investment may be achieved by establishing more than three ownership levels.

Ownership of a particular parcel cannot be traced over time because there is currently no way to accurately follow a specific tract of land when it is acquired and subsequently sold, in whole or in part. As a result, the inventory of parcels will deteriorate over time. However, USDA is continuing to examine alternative methods for describing and indentifying ownership patterns.

Md. hosts first mini-field day at Forage Farm

COLLEGE PARK, Md. — The statewide farm family field day at the University of Maryland's agronomy-dairy forage research farm near Clarksville, Howard County has been given a new look.

This year, the daylong educational event has been split into two mini-field days dealing exclusively with farm crops, one in early June and the other about mid-August.

Next year, a third mini-field day is expected to be added to the series, probably in September, according to Lester R. Vough, Extension forage crops specialist and associate professor of agronomy at the University of Maryland in College Park

The June event will be a twilight meeting next Thursday, beginning at 6:30 p.m. It will offer a look at wheat and barley variety comparison plots and other small grain research being conducted by David J. Sammons, assistant professor of agronomy, for the Maryland Agricultural Experiment Station.

Of special interest to dairy and beef cattle producers will be a report on small grain silage double-cropping research being conducted jointly by Sammons and Vough.

In this experiment, a field is planted to silage corn in the spring, to small grain in the fall, and to regular field corn the following spring. The small grain is harvested as silage in May so that the field corn may be planted early enough to reach maturity.

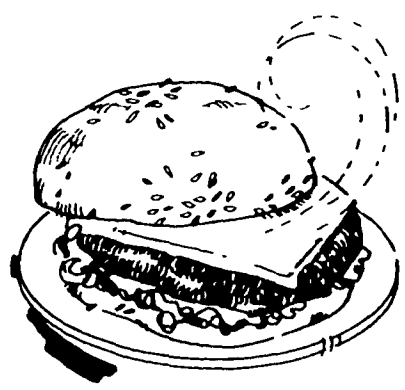
Wheat, barley and oats are being tested as the small grain, Vough reported, since they have much better livestock feed value than rye, the small grain crop often used in double-cropping.

Vough estimates that the small-grain silage can produce up to four tons of dry matter per acre that wouldn't otherwise be available under traditional cropping practice.

Looking ahead, Vough noted that the mid-August mini-field day at the central Maryland location will emphasize chemical drying and preservation of hay. The third mini-field day in next year's series probably will deal with corn and soybeans.

The University of Maryland's agronomy-dairy forage research farm is located at 4240 Folly Quarter Road, three miles northeast of Clarksville in central Howard county.

Additional information is available from Extension agricultural agents in counties west of the Chesapeake Bay.



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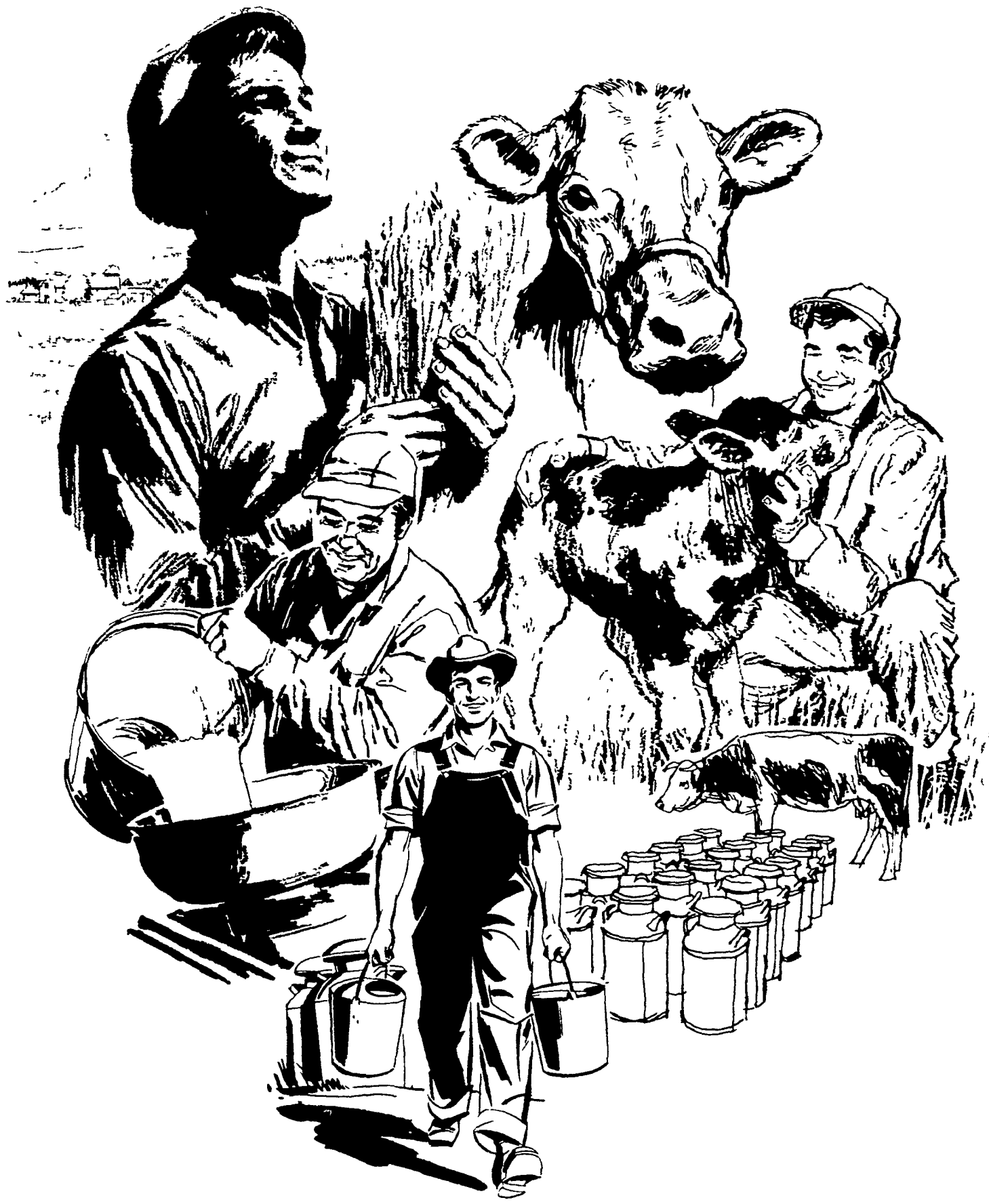

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SPERRY NEW HOLLAND

York County DHIA Monthly Report

dhia — Pennsylvania Dairy Herd Improvement Association

April 1982

The high herd was Smysers Richlawn Farms, 2691 E Berlin Rd York with 69 Holstein cows producing 20,975 lbs milk and 760 lbs B F Second high was Avalong Farms, R7 York with 29 Holstein cows producing 19,580 lbs milk and 748 lbs B F

The high cow was Joy a 3 year old Holstein from Smysers Richlawn Farms who produced in 305 days 26,031 lbs milk and 899 lbs B F Second high was Marta a 8 year old Holsein owned by Sinking Springs Farm who produced in 305 days 24,236 lbs milk and 854 lbs B F

OWNER	BREED	NO COWS	% DAYS IN MILK	LBS MILK	% FAT	LBS FAT
Smysers Richlawn		3	69 0	85 8	20 975	760
Avalong Farms Inc		3	28 7	88 0	19 580	748
Lynn Wolf		3	53 9	89 5	20 218	741
Thomas A Boyer		3	38 7	87 2	19,351	706
Paul R King		3	45 6	88 0	18,163	706
Wayne E Myers		3	44 0	81 1	18,762	683
Beshore Farms		3	43 4	86 1	19,224	683
Geo Knight		3	115 7	90 0	18,975	678
Leonard W Greek		3	27 8	86 9	17,193	677
H S & R E Fetrow		3	78 9	85 8	18,459	676
Sinking Spring Fm Inc		3	69 5	84 8	18,377	674
Rick L Cook		B3	55 4	87 1	17,506	670
Wayne B Mummert		B3	72 0	85 0	18,052	665
Melvin R Lehr		B3	46 8	83 8	17,792	662
B Robert Charles		B3	46 7	87 0	18,536	658
The J E Baker Co		B3	41 4	82 9	18 413	656
McRal Dairy Farm		B3	128 3	91 1	19,160	652
Earl Furhman		B3	77 5	88 0	17,282	644
David Stewart		3	109 1	89 1	17,389	640
Stump Acres		B3	96 6	91 2	17,132	638
Phillip D Laughman		3	28 2	87 5	17,421	635
William Ruppert		B3	52 6	84 7	17 462	631
Fawn Meadow Holstein		B3	67 2	86 0	17 281	626
Smokey Hollow Farm		B3	33 8	87 1	16 852	621
Kenneth L Rexroth		B3	100 8	86 1	16 377	618
Adrian Rinehart		B3	94 8	87 8	16 212	615
T Edwin Johnson		3	53 6	85 0	16,436	612
Harold Brown		3	69 3	86 4	16 349	608
Daryl L Bair		B3	41 8	85 5	17,470	608
Hidden Springs Farm		B3	80 4	85 6	15,286	599
C Robert Kilgore		B3	43 0	87 9	16 942	599
Titus & Merle Walker		G3	37 0	85 3	16 165	598
Rodman C Thompson		3	58 7	86 6	18 168	597
R R & M R Stewart		3	47 6	90 7	15 772	593
Leland Stanford		B3	36 0	85 2	16 711	588
Edwin L Calhoun		B3	43 8	88 0	15,915	582
Ellis Crowl		B3	101 1	85 5	16,518	582
Fred Sprenkle		3	37 5	84 5	17,041	582
Honeycrest Fm		B2	98 2	87 7	13,307	578
David M Emig		B3	53 8	86 9	14,427	578
Walkers Farm		B3	76 2	86 8	16,409	576
Leroy Bupp		3	89 3	90 6	16,820	575
Elvin G Molison		B3	133 9	83 8	15,884	574
Gum Tree Farm		3	40 2	86 4	16,139	564
Dale L Barshinger		B3	37 8	83 6	15,099	563
Rutter Bros		2	81 2	86 5	11,649	561
Horace E Heindel		B3	119 3	83 3	16,734	561
Walnut Hill Farm		B3	45 4	82 3	16,342	560
Big T Holsteins		B3	85 1	86 7	15,838	559
Richard E Stough		B3	34 9	85 0	15,236	558
J H & M B Hushon		B3	97 6	86 1	15,331	555
Avalong Farms Inc		2	42 1	85 6	12,315	550
Double D Farm		B3	94 5	80 9	14,678	550

OWNER NAME OR NUMBER	BREED	AGE	DAYS IN MILK	LBS MILK	% FAT	LBS FAT
Geo Knight						
Millie	3	11 8	305	23,796	3 3	795
Queen	3	7 7	305	20,449	3 2	659
K6	3	7 0	305	19,852	3 8	759
Clover8	3	7 2	305	16,057	3 7	590
Hilda	3	4 9	305	20,669	3 4	694
502	3	4 3	305	19,132	3 1	588
ET 12	3	3 5	305	14,532	4 8	696
ET 56	3	2 6	305	16,184	4 0	650
Fawn Valley Farm						
Millie	3	6 7	193	6 086	3 5	211
David V Thompson						
P 14	3	5 1	305	18,146	3 8	684
P 44	3	3 2	286	14,591	3 6	523
Spiditl	3	6 6	305	15,818	3 7	588
P 77	3	2 1	305	16,343	3 3	546
William H Fantom						
30 A	3	7 3	297	12 857	3 9	50
33 A	3	6 5	305	17,017	3 6	613
47	3	4 4	303	17 449	3 3	577
54	3	3 3	301	15,236	3 3	505
Ellis Crowl						
123	3	3 8	305	18 566	3 2	594
10	3	3 4	275	19 495	3 5	676
Donald Lanius						
Penny	2	3 3	305	12,683	5 2	660
Mindy	3	3 1	293	11 002	4 7	519
Sinking Spring Fm Inc						
Carol	3	11 11	253	14 864	3 9	574
Marta	3	8 8	305	24,236	3 5	854
Margo	3	4 7	305	21 382	3 7	797
Mayme	3	4 5	305	17,326	4 3	752
Minnie	3	3 3	305	19,598	3 5	692
Marion	3	3 7	305	18,060	3 7	666
Wetor12	3	2 6	305	17 864	3 4	604
Tania	3	2 2	266	13 296	3 8	501
Carmen	3	3 10	119	7 969	4 1	323
Rutter Bros						
Happy	2	6 4	305	12 485	5 1	632
Pride	2	2 4	305	10,685	5 0	534
Beshore Farms						
Horty	3	5 9	305	22,738	3 3	760
Delsi	3	2 5	302	15,958	3 7	588
Harold Brown						
Emma	3	10 7	305	18,157	4 0	732
Martha	3	8 10	305	16,801	4 3	716
Vi	3	8 0	305	16,880	3 2	539
Pepsie	3	8 1	305	18,519	3 9	724
Chloe	3	6 2	303	16,099	4 8	768
Val	3	5 10	305	16,533	4 1	675
Narda	3	5 9	296	15,282	4 4	666
Gina	3	6 0	45	3,037	4 2	129
Duchess	3	2 11	305	15 281	3 7	573
Albert Dehoff						
251	3	4 1	305	18,901	3 7	708
258	3	4 2	305	16,596	3 4	568
290	3	3 7	304	14,250	3 7	529
The J E Baker Co						
45	3	5 6	305	22,634	3 6	824
41	3	3 8	290	17,452	3 4	602
8	3	4 1	296	19 338	3 6	689
Fred Sprenkle						
Luna	3	6 7	305	19 600	3 4	662
Doug & Gene Kilgore						
Patty	3	4 8	305	16,485	3 5	574
Jenny	3	3 2	305	12,525	4 8	601
Thomas A Boyer						
Dawn	3	9 6	305	18 051	3 9	698
Emily	3	6 10	302	16 083	3 4	553
Melo	3	2 0	305	16 195	3 6	590
Earl Fuhrman						
Pleasur	3	5 1	305	21 094	3 8	811

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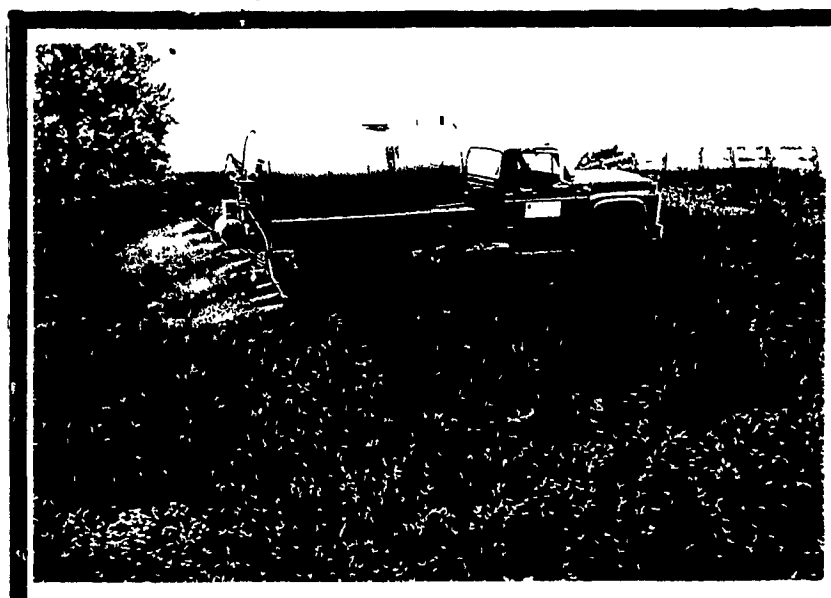

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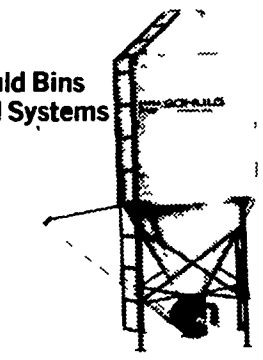

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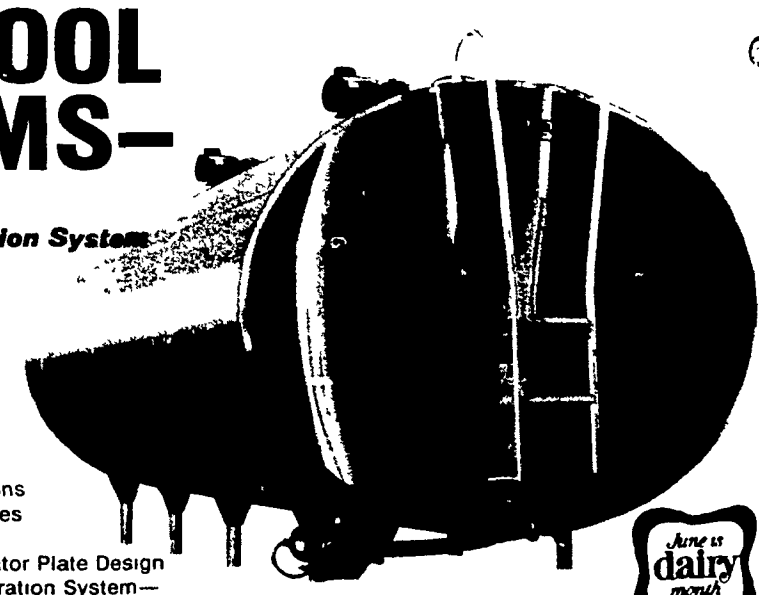

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(Continued from Page D22)

Furnace Creek Farm						
Carla	3	9 4	305	21 240	3 1	665
[illegible]	3	5 4	305	19,212	3 2	611
Myrtle	3	5 5	305	14,664	3 6	523
Fudge	3	3 5	305	15,526	3 3	510
H S & R E Fetrow						
Goldie	3	9 0	283	14 495	4 3	626
Fay	3	7 3	305	21,902	3 1	686
Gill	3	4 9	305	23,716	3 3	772
Dora	3	4 3	275	16,245	3 4	558
Marie	3	4 2	305	24,658	3 1	763
Inka	3	2 4	305	16,139	3 3	527
Sara	3	2 6	305	17,790	3 4	603
Rodman C Thompson						
Kadidle	3	8 6	305	21,818	3 6	788
Tonya	3	6 5	305	18,413	2 9	531
Gina	3	3 4	305	16,236	3 5	564
Lolly	3	4 7	305	23 606	2 3	534
Kim	3	2 10	305	19,354	2 9	553
Stump Acres						
Dina	3	8 6	305	22,481	3 7	835
Deah	3	7 7	305	18 793	4 3	812
Stella	3	5 10	303	18,509	3 4	636
Nancy	3	4 1	305	18,548	3 6	667
Suann	3	3 1	305	18 216	4 2	757
Rachel	3	3 0	305	19 225	3 7	710
Fifi	3	2 5	305	15 197	3 8	574
J H & M B Hushon						
54	3	7 5	294	15,544	4 1	632
143	3	6 10	305	17,882	3 9	696
32	3	6 0	305	17 730	4 1	733
131H	3	5 5	305	17 661	3 8	672
98H	3	4 5	300	17 715	3 7	647
4H	3	4 0	305	18,806	3 5	649
1H	3	3 8	294	14,858	4 2	624
107H	3	3 1	305	18,504	3 6	662
114H	3	3 3	305	16,429	3 3	546
[illegible]H	3	3 1	305	13,509	3 7	502
[illegible]9H	3	3 10	302	13 903	3 9	539
Adrian Rinehart						
188	3	3 11	288	14,804	3 9	572
205	3	4 10	252	14,953	3 7	547
217	3	3 5	305	15 575	3 7	582
218	3	3 6	305	16,755	3 8	643
220	3	3 5	305	15,836	4 0	631
222	3	3 5	305	13,945	3 9	550
257	3	2 3	305	15,568	3 8	599
R R & M R Stewart						
Pasely	3	3 0	305	16,172	3 6	576
Smysers Richlawn Fms						
Casey	3	11 7	300	14,443	4 2	609
Jo	3	5 2	295	17,149	3 8	648
Daisy	3	4 5	305	22,139	3 5	776
Joy	3	3 3	305	26,031	3 5	899
Tracy	3	3-0	269	15,979	4 1	651
Hope	3	3-2	227	16,801	3 0	512
Jane	3	2 0	305	15,479	3 5	548
T Edwin Johnson						
Dorcus	3	6-9	305	18,666	3 5	647
Maryann	3	5 7	305	15,355	3 6	559
Leroy Bupp						
Muriel	3	4 10	305	18,717	3 3	610
Hidden Springs Farm						
[illegible]ozella	3	6-2	253	13,909	4 5	631
[illegible]anette	3	5-7	305	18,033	4 0	715
Dennis L McWilliams						
7	3	4-3	268	16,756	3 3	557
13	3	3 8	305	18,468	3 2	586
Dennis J Myers						
66	3	2-11	294	12,588	4 0	500
Marty	3	2 2	285	13,286	3 9	518
Titus & Merle Walker						
6415	3	6 8	305	19 002	4 2	789
9996	3	3 6	305	18 673	3 6	664
3363	3	3 3	305	20 156	3 7	752
C Robert Kilgore						
Prilly	3	4 5	303	18 694	3 2	607
Ginger	3	4-5	305	18 808	3 2	602
Phillip D Laughman						
Creeper	3	6-4	305	21 474	3 7	795
Fancy	3	2 2	305	15 014	3 7	552
Avalong Farms Inc						
Susha	3	5 1	297	17 915	4 5	805
Bets	3	7 2	280	17,370	3 4	587
Nemisa	3	4 2	89	11 651	5 1	598
Starmae	3	3 0	305	19 385	3 8	730
Sydella	3	2 0	305	18 684	3 5	651
Avalong Farms Inc						
Moira	2	7 11	305	13 709	4 8	663
Genn	2	5 6	305	13 204	5 4	713
Philip R Stambaugh						
Toogi	3	12 7	305	13 351	3 9	522
Petunia	3	5 1	305	15 024	3 6	541
Paul R King						
Jemima	3	3 9	305	17 492	4 5	781
Tara	3	4 3	305	18 871	3 9	745
Wayne B Munimert						
50	3	4 10	289	18 037	3 6	642
37	3	1 11	305	15,448	3 4	525
64	3	1 11	305	15 614	3 6	569
Desota & Robt Burchett						
28	3	6 4	305	23,513	3 5	829
64	3	5 8	305	16,716	3 7	618
31H	3	3 2	305	18,370	3 4	619
125H	3	3 2	305	15,001	3 4	516
101H	3	2 7	[illegible]	13 570	4 0	547
104H	3	2 8	286	[illegible]	3 8	577
117H	3	2 6	286	14 804	4 0	599
Dale & Darla Doll						
Deloris	3	4 6	305	18 431	3 1	569
D Fantom & E Gordon						
22	3	14 4	305	12 836	4 0	508
Astro	3	3 3	305	14 055	3 8	531
Lynn Wolf						
Eloise	3	6 6	286	21 298	3 3	697
Flicka	3	5 5	305	18,981	3 4	638
Idle	3	2 11	305	20 349	3 3	668
Joan	3	1 11	294	16,581	3 7	608
Judy	3	2 0	305	15 322	4 1	626
Janet	3	1 11	305	15,682	3 5	547
Ramsey S Cooper Jr						
Lois	3	7 7	305	17,394	3 4	593
Dawn	3	9 3	272	12,864	3 9	507
Rosa	3	0-0	253	13,896	3 9	544
Auntbea	3	0-0	305	14,174	4 0	561
Melvin R Lehr						
39	3	7 3	304	19,723	3 2	635
43	3	7 5	219	16,884	3 8	634
46	3	3-3	305	20,085	2 8	562
67	3	3 3	299	17,139	3 7	638
Horace E Heindel						
55 A	3	5-6	239	18,190	2 8	516
134 A	3	4-6	275	20,467	2 9	596
60 A	3	4-4	305	19,651	3 3	639
116 A	3	4-5	305	15,073	3 5	527
28 A	3	4-3	305	15,059	3 8	573
46 A	3	2-2	305	16,665	3 5	575
48 A	3	2-11	305	16,853	3 5	586
Carl Anderson						
58	3	8-1	229	14,063	4 1	576
Elvin R Deiter						
Kristie	3	8-5	305	15,300	3 5	532
Marilyn	3	7-2	284	15,199	3 3	507
Oriole	3	4-10	287	14,775	3 5	520
John H Doll Jr						
Susie	3	2 11	305	14,921	3 9	576
Wayne L Sweitzer						
Holly	3	3 1	305	12 479	4 3	536
Tara	3	2 6	305	15 152	3 8	575
Ida	3	2 10	305	15 665	4 0	623
Kenneth L Rexroth						
118	3	9 0	305	18 908	3 1	577
Richard E Stough						
Beth	3	4 8	305	17 427	3 1	547
Rick L Cook						
Rocket	3	4 8	305	19 108	3 7	712
Elaine	3	4 8	305	15 666	3 9	606
J Donnell Taylor						
Bambi	3	6-1	305	21 672	3 0	659
Boots	3	5 0	305	12 602	4 0	505
Rudy	3	5 0	301	15 244	3 7	570
Betty	3	4 5	273	13 171	4 1	536
Buffy	3	4 3	305	19 057	3 1	589
Speck	3	0-0	305	15 741	3 4	534
Tulip	3	0-0	305	15 713	3 5	544
Sue	3	2 6	305	13 598	3 9	527
Molly	3	2 5	305	15 010	3 5	532
Elvin G Molison						
74	3	6 7	305	16 288	3 5	575
44	3	5 6	305	16 509	3 0	503
91	3	4 0	305	15 013	4 0	607
52	3	3 7	305	16 605	3 6	606
47	3	3 3	302	18 833	3 1	585
86	3	3 8	298	18 222	3 2	592
136	3	1 10	305	18 511	3 1	581
99	3	2 3	305	14 234	4 0	563
John D Adams						
42	3	3 7	305	12 397	4 7	579
Smokey Hollow Farm						
128	3	8 11	305	18 421	3 4	625
Zero	3	7 0	305	21 388	3 4	735
81	3	4 6	305	18 730	3 9	727
101	3	3 0	253	16 423	3 4	551
Honeycrest Fm						
Joava	2	3 11	301	12 436	5 1	639
Bertha	2	3 2	275	11 684	4 6	539
Tottie	2	3 7	305	12 559	4 6	573
417	2	5 9	305	15 081	4 6	687
Mervin W Hertzler						
Melida	2	3 11	305	13 745	4 6	631
Rhonda	2	3 11	305	11 727	5 0	591
Lorelle	2	2 11	305	14 165	4 1	584
Leonard W Greek						
Ivy	3	3 4	305	18 874	3 3	627
Gary W Thoman						
12	3	6 6	305	15 527	3 3	517
B Robert Charles						
Margret	3	8 10	276	16 366	3 3	533
Arline	3	6 8	305	19 234	4 1	788
Beth	3	6 3	305	18 939	3 3	628
Bambi	3	6 1	305	19 904	3 7	746
Babe	3	5 6	305	22 019	3 4	756
Coco	3	5 2	305	20 241	3 3	666
Elaine	3	3 1	305	18,783	3 7	691
Friskie	3	2 0	305	15,267	3 3	500
Frolick	3	2 1	305	17,034	3 5	594
R&M Farms						
27H	3	4 1	305	12,798	4 3	549
Laverne & Judith Hess						
34	3	7 4	305	18,504	3 9	717
60	3	5 3	305	17,095	3 0	508
65	3	4 10	305	16,135	3 3	531
Edwin L Calhoun						
Kim	3	6-10	305	21 542	3 2	696
14	3	4-5	305	19,174	3 8	724
Bev	3	2 3	305	16,710	3 4	566
Billie	3	2 1	305	15,939	3 7	584
Eugene B Taylor						
Jessie	3	5 5	305	18,366	3 6	667
Wanda	3	7-1	305	16,538	3 1	510

(Turn to Page D24)

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York Co. DHIA

(Continued from Page D23)

Robert W Mays						
62	3	3 2	305	18,316	3 5	644
David L & Chris Druck						
20	3	5 7	305	20 558	2 6	530
47	3	4 6	305	15,236	3 9	592
Dale L Barshinger						
43	3	3 1	305	14,716	3 9	568
91	3	2 11	272	13,594	3 8	517
Albert Neufeld						
49	3	6 7	305	16,737	3 2	539
120	3	1 11	305	19,114	3 2	611
Robt Baumgardner Jr						
23	3	3 11	305	17,964	3 2	577
Big T Holsteins						
12	3	4 8	305	13,482	3 8	508
46	3	5 2	305	21,827	3 4	753
Toni	3	3 2	305	18,915	3 5	668
Dear	3	3 0	305	14,636	3 9	570
Jacob Brubaker						
43	3	7 1	286	13 491	3 9	522
Charles Hess						
2	3	8 2	303	14 045	3 9	551
73	3	2 2	305	13,726	3 8	522
John C Krone						
Donna	5	4 11	265	11 539	4 6	534
Walkers Farm						
402	3	6 7	305	19,616	2 7	532
7	3	5 0	293	15,890	3 2	504
109	3	6 1	305	17,009	3 9	670
11	3	2 7	305	16,823	3 5	582
Perrydell Farms						
18	3	4 7	299	19,129	2 9	551
19	3	5 9	267	15,519	3 5	540
26	3	8 7	305	13,928	3 8	536
88	3	3 7	305	16,945	3 3	557
96	3	3 8	297	13,852	4 1	563
107	3	3 8	267	13,461	3 8	514
Robert Buser						
29	3	4 9	305	20,802	2 7	555
125	3	6 9	305	15 377	3 3	510
David Stewart						
Raina	3	11 6	117	14,700	4 2	614
Orchid	3	10 8	257	16,707	3 5	577
Bonnie	3	7 8	305	18,607	3 6	673
Enid 12	3	5 3	305	22,239	3 6	796
Faith 52	3	4 7	305	19,400	4 1	798
Flosie	3	2 11	305	11,875	4 5	537
Kit	3	3 6	305	16,724	3 4	567
Walnut Hill Farm						
Dolly	3	4 4	283	15 146	3 7	563
Tina	3	3 8	305	15,862	3 3	526
Lori B	3	0 0	305	16,211	3 5	563
My T Farms						
Dolly 4	3	5 8	274	12,286	4 8	586
Horny	3	5 7	302	14 608	3 7	539
Double D Farm						
D 105	3	7 9	268	13,374	3 8	503
D 125	3	2 7	305	14 429	3 5	519
Y 21	3	5 9	259	13 366	3 8	505
Y 26	3	5 8	305	14,837	3 9	579
Ronald Stein						
41	3	3 7	305	14 854	3 6	536
Dale Clymer						
Trinket	3	8 4	305	17 807	3 3	587
Deal Holsteins Farm						
7	3	8 0	305	16 092	3 9	628
10	3	7 6	305	17,456	3 6	629
David M Emig						
44	3	3 8	305	14,453	3 7	534
34	3	3 5	305	16,522	4 0	653
McRal Dairy Farm						
429	3	5 2	305	22 932	3 3	754
433	3	5 1	305	21 266	3 1	656
107	3	3 3	305	18,630	3 1	576
116	3	3 9	300	13,948	3 8	529
121	3	3 4	305	20,427	3 7	747
118	3	2 11	305	20,695	2 6	541
124	3	3 2	305	20,994	3 0	624
133	3	3 2	305	14,545	4 6	664
154	3	2 1	305	18 369	3 3	612
William Ruppert						
Goldie	3	7 7	305	20,974	3 7	756

Franklin County DHIA Monthly Report

dhia — Pennsylvania Dairy Herd Improvement Association

April 1982
Rolling Herd Averages
Above 650 Lbs Butterfat

NAME	BRD	NO COWS	% COW DAYS IN MILK	LBS MILK	LBS FAT
R V & S V Hollenshead	B3	32	22,647		847
Frank S Heberlig	3	44	20,543		782
R V & S V Hollenshead #2	B3	51	19,382		743
Oakleigh Farm	3	99	19,037		742
Robert E Harwood	3	84	19,156		703
R C & J R Shoemaker	3	34	18,601		697
Ray R Kane	B3	28	17,430		693
Wayne A Hall	3	37	19,069		693
Richard Harshman & Son	3	70	18,470		683
Dennis W Bricker	B3	34	18,674		681
Elmer & Frank Ressler	3	37	17,972		679
Ray Wingert	3	57	17,567		679
H Lester Oyer Est	3	69	17,750		679
Kenneth E Oliver	3	28	17,417		678
J C Young Jr & Son	3	60	18,425		678
Gaymere Farms	3	170	17,615		677
R C & C B Allison	B3	164	19,296		677
Donald L Brechbill	B3	31	18,313		676
Norlo Farm	3	135	19,071		675
Burk Lea Farms	3	126	19,508		672
Harold Goshorn	B3	77	17,273		669
Lester D Fortna	3	43	17 956		668
Keeners Dairy	B3	108	16,747		661
Mark W Meyers	3	78	17,305		658
Paul Cordell	B3	53	18,368		656
Lester & Alvin Meyers	3	54	17 503		655

Listed below are completed lactations of 850 lbs. butterfat or over

OWNER NAME OR NO		AGE AT CALVING	DAYS IN MILK		LBS MILK	LBS FAT
R V & S V Hollenshead						
Mitzi	RH	4 3	305	23,718	4 6	1087
Flame	RH	6 4	305	24,912	3 9	962
Marlin G Bricker						
Kate	RH	4 3	305	26,821	3 5	933
Fred E & Dale Rice						
130	RH	10 0	305	20,481	4 3	882
Howard & Steve Mellott						
75	RH	4 3	305	21,098	4 2	880
J Eldon Crider						
Promise	RH	4 1	305	24,804	3 5	878
Roy Kendig						
Preston	RH	3 5	305	18,095	4 8	872
Gaymere Farms						
116	RH	4 6	305	20,658	4 2	865
R V & S V Hollenshead						
Celebri	RH	3 2	305	24,821	3 5	865
Lester D Fortna						
Candy	RH	6 9	305	22 585	3 8	857
Philip & Conrad Hege						
15	GH	2 11	305	18,646	4 6	857
Burk Lea Farms						
194	RH	4 7	305	25 292	3 4	851
Robert E Harwood						
25	RH	4 10	305	23,844	3 6	850

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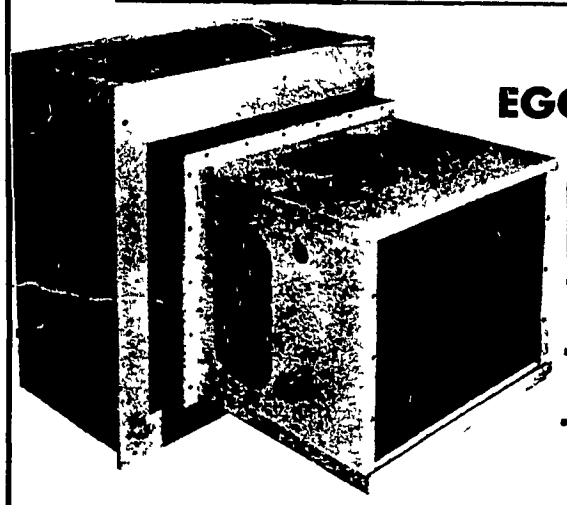

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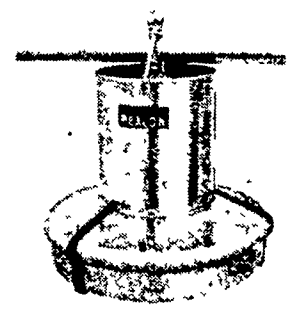
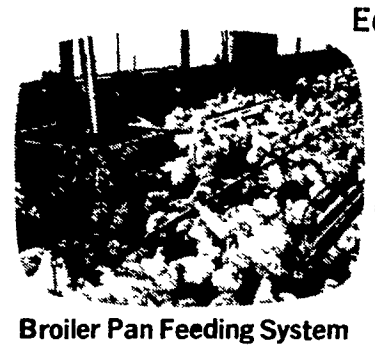


Adult Turkey Feeder



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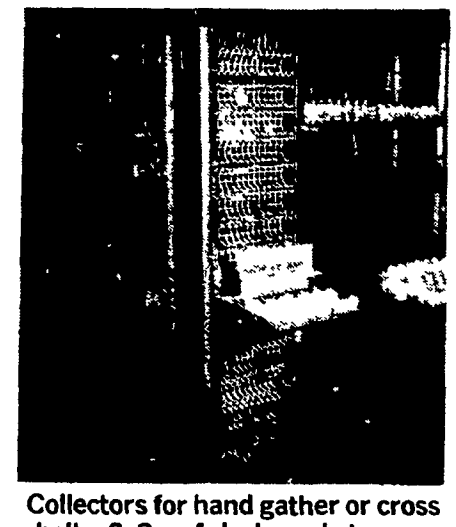

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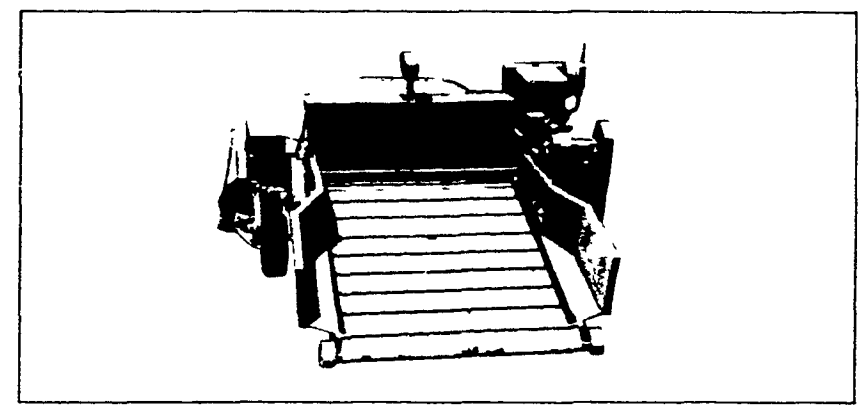

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Kenneth runs a 465 cow Dairy and said this about AG-BAG 'At today's interest rates you can't afford any other type of storage Even with the yearly cost of bags it's still inexpensive storage a whole lot cheaper than building barns and hiring help I put up 13 bags last year and after seeing the results I'll put up 25 bags this year The bags are a good thing"

Don Carter of Parkdale, Oregon

"The best move I ever made" says Don Carter in reference to his switch to bagging silage on his dairy near Parkdale, Oregon

"I get 18% more feed from the same acreage and the feed lasts three times as long I used to clean my bunks after three days now I only need to clean them after 10 days'

Roland Rasmussen of Blair, Nebraska

'In addition to everything else it s a management tool says rancher Roland Rasmussen of Blair Nebraska

Roland farms 350 acres west of Blair Nebraska and fattens about 650 cattle from 600 lbs to finish

'By labeling every bag as to date and kind of feed I can mix my feeds and eliminate the guess work in making a ration I feed alfalfa silage corn silage and ground ear corn stored exclusively in the bags purchasing only my minerals and vitamin supplements

The AG-BAG system has enabled me to increase carrying capacity per acre at a reduced cost of gain'

Bert Anderson of Sceptre, Saskatchewan

'At least 30% more feed I can guarantee at least that says rancher Bert Anderson of Sceptre, Saskatchewan

I've been able to cut my grain feeding costs in half since converting to the bagging It s just like feeding grass I ve also eliminated the need for a liquid supplement that we always fed before going to the AG-BAG System

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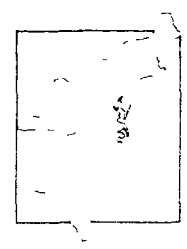

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Post-calving open cows cost beef industry $112 million yearly

COLUMBIA, Mo. — Mike Smith figures beef cows get too much rest between pregnancies (60 to 90 days on the average).

"Shortening that period by just six days could save the beef industry $112 a million a year," said Smith, an animal scientist at the University of Missouri-Columbia, who is optimistic that some management techniques he's trying may reduce these losses.

The $112-million-dollar figure is a U.S. Department of Agriculture estimate of savings in "cow maintenance" feed costs if animals can be brought into heat and bred more quickly than they are now.

Another $96 million would be saved if calf weaning weight could be increased — another possibility if Smith's research goes as planned.

"I know there are some hormones that will bring cows into heat, but I'm more interested in non-hormonal methods," Smith said, explaining that hormones sometimes have side effects and always require FDA approval.

He said the two most promising management practices he's testing are. reduce the frequency of calf sucking and keep the cow in good shape at calving time.

Here are some experiments that Smith and other animal scientists are trying:

- Taking the calf at 40 days after birth, six months sooner than usual.
- Allowing the calf to suckle only once a day.
- Keeping the calf away from its mother for a two- to three-day interval after the calf is 40 days of age.
- Getting cows in good nutritional shape before calving time, so they're better able to withstand the stress of calving and resume normal estrous cycles more quickly.

"While some of these management methods may work, they do require changes in some long-standing methods of raising cows and calves," Smith said.

"But we're hopeful that producers can reduce calving intervals of some of their cows without too much additional time and effort."

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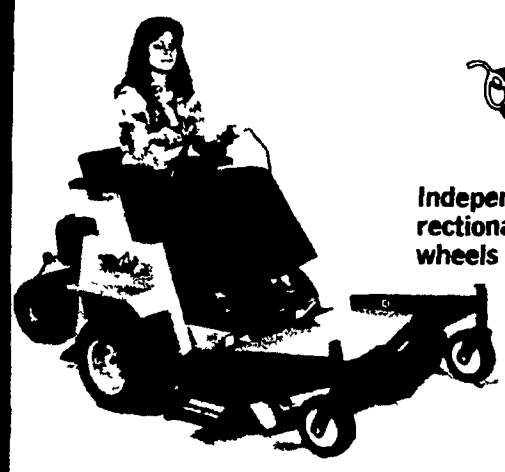

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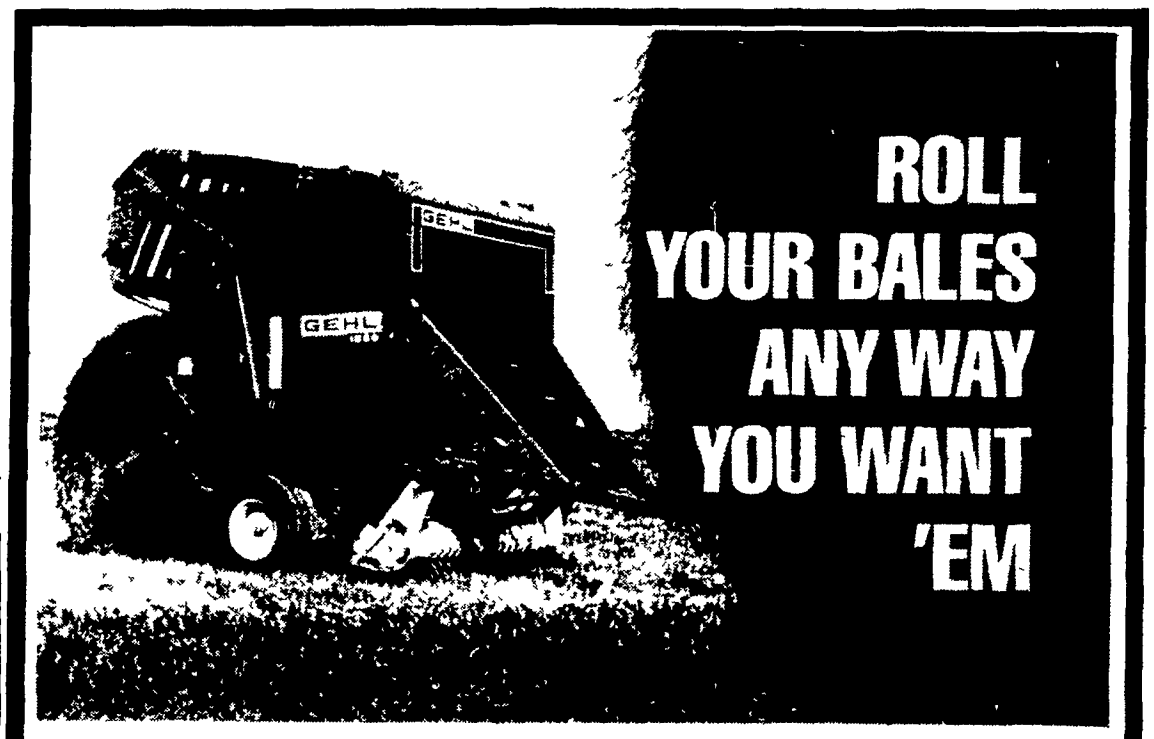

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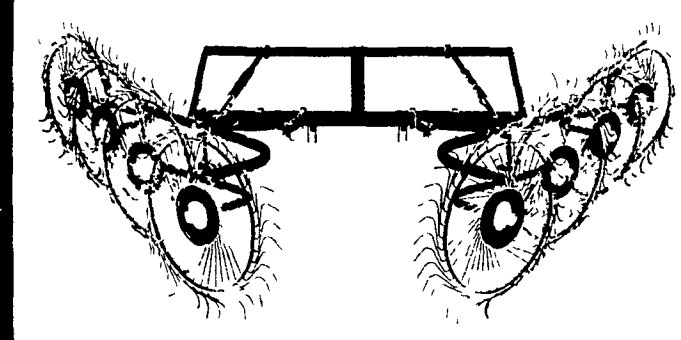

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550	4'0"	6'0"	10	549	198.00
550	4'0"	6'0"	7	751	241.00
1,000	4'0"	10'8"	10	827	291.00
1,000	4'0"	10'8"	7	1,129	358.00
1,000	5'4"	6'0"	7	1,028	333.00
1,500	5'4"	9'0"	7	1,388	447.00
2,000	5'4"	12'0"	7	1,735	546.00
3,000	5'4"	17'11"	7	2,432	736.00
4,000	5'4"	23'10"	7	3,130	929.00
5,000	8'0"	13'7"	1/4"	4,484	1645.00
6,000	8'0"	16'2"	1/4"	5,123	1800.00
8,000	8'0"	21'6"	1/4"	6,475	2230.00
10,000	8'0"	26'10"	1/4"	7,825	2660.00
10,000	10'0"	17'0"	1/4"	6,956	2405.00
12,000	10'0"	20'6"	1/4"	8,074	2800.00
12,000	10'6"	18'7"	1/4"	7,900	2690.00
15,000	10'6"	23'2"	5/16"	11,857	4000.00
20,000	10'6"	31'0"	5/16"	15,105	4993.00
25,000	10'6"	38'7"	3/8"	22,115	7875.00
30,000	10'6"	46'4"	3/8"	25,999	9125.00

Tanks are fabricated in strict accordance with the specifications of Underwriters' Labratories, Inc Exteriors of underground tanks are coated with black asphaltum paint Exteriors of above ground tanks are coated with red primer STI-P3 system of corrosion protection for underground steel storage tanks available at an additional charge We can provide timely delivery anywhere from 5 locations Quarryville PA East Palestine and Urbana Ohio, Clarksville & Chester, Virginia Contact us for delivery costs We invite inquiries by phone or mail

USED UNDERGROUND STEEL FUEL STORAGE TANKS

Capacity (Gallons)	Diameter	Length	Gauge (Thickness)	Weight (Pounds)	Price FOB Quarryville
275*	27"	5'	14	250	*60
280	36½"	5'	12	280	65
1,000	5'4"	6'	7	827	75 to 100
1,500	5'4"	9'0"	7	1,388	75 to 175
2,000	5'4"	12'0"	7	1,735	100 to 200
3,000	5'4"	17'11"	7	2,432	150 to 300
4,000	5'4"	23'10"	7	3,130	250 to 500
5,000	6'0"	23'8"	1/4"	5,089	500

Used tanks and used tank shells may not bear underwriters' label nor are coated with black asphaltum paint *Above ground

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(no ends) FOR BRIDGES, CULVERTS, FIREWOOD STORAGE, ETC.

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3,000	5'4"	17'11"	7	2,312	300.00
4,000	5'4"	23'10"	7	3,010	400.00

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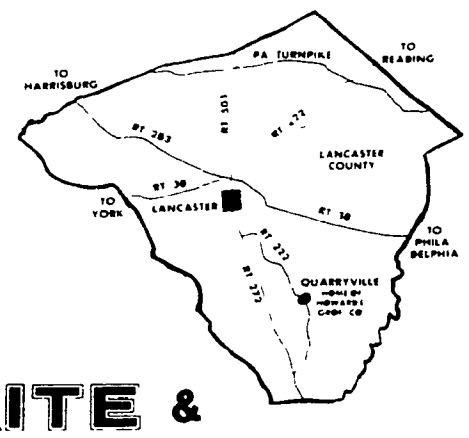

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Pa. direct marketing guide now available

HARRISBURG — A Consumer's Guide to Direct Marketing is now available free from the Pennsylvania Department of Agriculture, according to State Agriculture Secretary Penrose Hallowell

Hallowell said the directory is published annually and lists approximately 900 Pennsylvania farmers markets and other specialty agricultural outlets, including wineries, cheese factories and mushroom outlets

"The farmer-to-consumer directory is complied as a service to farmers as well as consumers," he said Farmers use direct marketing to create a reliable market for their products at an improved profit level, while consumers buying direct get fresher, more flavorful foods at very reasonable prices

Pennsylvania is a national leader in direct marketing and pick-your-own operations Hallowell said that the state has nearly 1,200 roadside markets and 600 pick-your-own operations at the present time, an increase of nearly 500 markets in the past four years

Farmers and consumers alike are realizing the benefits of direct sales and purchases of local products," Hallowell explained "When you buy locally grown and processed foods, you help boost farm income, cut transportation costs, and create jobs Favor Your Neighbor this summer and buy Pennsylvania grown foods"

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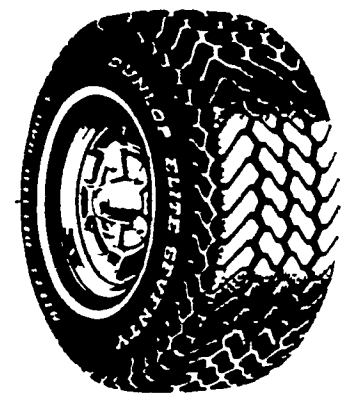

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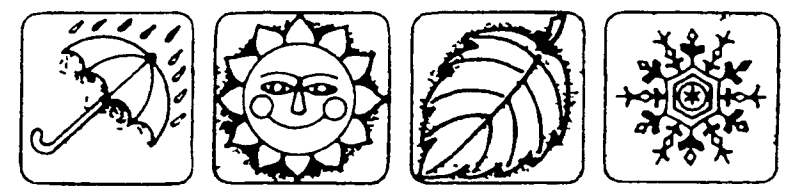
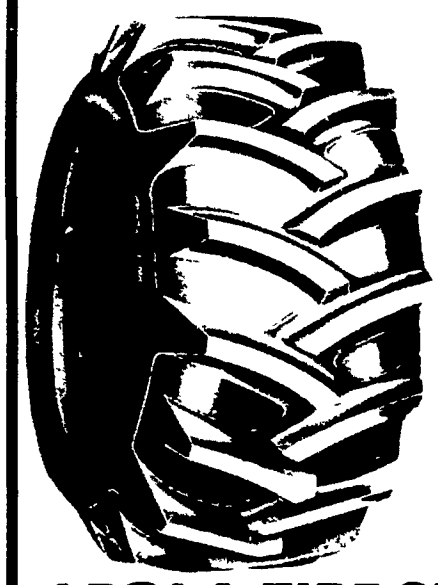


50,000 Mile Limited Warranty

*Under Dunlop's Limited Tread Wear Warranty new Dunlop Elite Seventy Radial Tires are warranted to deliver to the first retail purchaser in normal use a tread life of 50 000 miles when properly fitted to one passenger car If your tire wears evenly to the tread wear indicators before delivering 50 000 miles Dunlop will, on presentation of the Dunlop mileage certificate to any participating Dunlop dealer and in exchange for the worn tire give credit toward a comparable new Dunlop tire based on Dunlop's Mileage Unit Price and tire mileage not received The Mileage Unit Charge reasonably reflects current retail prices You pay local taxes and mounting and balancing charges For complete details see your Dunlop dealer"

ALL SIZES & TYPES AVAILABLE AT DISCOUNT PRICES



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Poultry Federation prepares conference agenda

HARRISBURG — The Pennsylvania Poultry Federation has scheduled the 1982 Annual Pennsylvania Poultry Conference for Thursday, June 17, at the Host Corral in Lancaster, Pennsylvania.

The conference which begins at 9:30 a.m and concludes at 4 p.m is open to members and non-members alike Precluding the conference this year will be an Egg Benefit Breakfast at 8 a.m.

The cost of the breakfast is $15 per person and all proceeds will be turned over to the United Egg Association to support congressmen who support the views of the egg industry. Since the Pennsylvania Egg Council, a division of the Federation, is paying the cost of the breakfast, each $15 contribution will be turned over in its entirety to United Egg Association.

All conference attendees will hear economic journalist John Berry of the Washington Post newspaper deliver a talk entitled, "Reaganomics Can We Survive the Cure." At the end of the day, Penn State's H. Louise Moore will present, "An Ag Economist Looks at the Future"

The remainder of the day is devoted to separate conferences for broiler, egg, and turkey industrymen. At the Broiler Conference, George G. Giddings, Radiation Technology Inc., will discuss, "Irradiation"; George Watts, president of the National Broiler Council, will discuss "Broiler Issues;" Forest Muir, Penn State, will discuss "Can Penna. Broiler Survive;" and Roland Leach, Penn State, will discuss "Broiler Leg Weakness."

At the Egg Conference, Georgia Commissioner of Agriculture, Thomas Irwin, will discuss, "New Egg Pricing Committee." In a debate, Al Wenger, Wenger Feeds, will discuss, "Case for Production Controls," and Dave Baker, Delaware, will discuss, "Case Against Production Controls;" Cathy McCharen, UEP, wil discuss cholsterol;" and Morris Mast, Penn State, will discuss "Leaker Eggs."

At the Turkey Conference, Milton Hendrixson, Goldsboro Milling Company, will discuss, "Overhead fans," William Prestage, president of the National Turkey Federation, will discuss, "Turkey Issues and NTF," George G Giddings, Radiation Technology Inc., will discuss, "Irradiation," and L.M. Potter, VPI, will discuss "Formulations and Linear Programming"

The evening is reserved for the Pennsylvania Poultry Federation Annual Banquet which is open to any interested parties. The banquet begins with a patio social hour, ballroom dinner, and is followed by the announcement of the Broiler, Egg, and Turkeyman of the Year. The Banquet begins at 6 p.m. and concludes with entertainment at 9:30 p.m.

For registration and further details write the Pennsylvania Poultry Federation, 500 N. Progress Avenue, Harrisburg, PA 17109 or call 717/652-7530.

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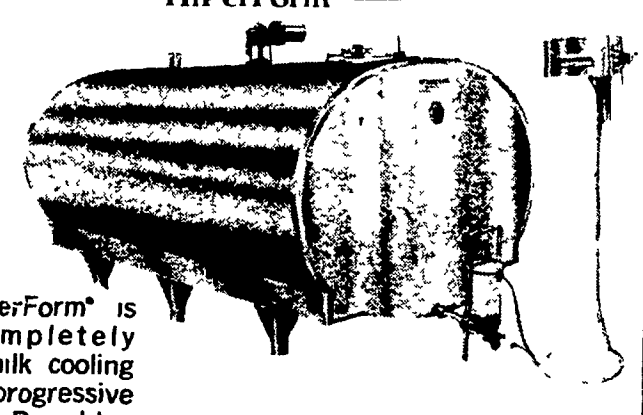

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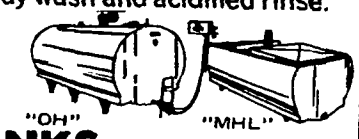

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Chester County DHIA Monthly Report

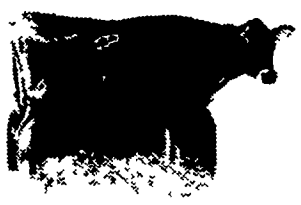
Pennsylvania Dairy Herd Improvement Association

April 1982

The cow with high fat was owned by John S Stoltzfus
The cow with high milk was owned by Kulp Bros

OWNER NAME OR NO	BREED	AGE	DAYS IN MILK	LBS MILK	% FAT	LBS FAT
John S Stoltzfus						
Lily	3	6 7	305	22,453	4 7	1065
Farrah	3	4 2	305	27,379	3 3	915
Dart	3	5-0	305	21,782	4 0	874
Fussie	3	5 8	305	21,596	3 9	850
Ann	3	9 10	305	18,661	4 2	775
Debra	3	3-2	305	18,481	3 9	721
Robert E Pepple						
11	3	3 5	305	24,490	4 0	984
13	3	3 1	305	20,663	4 2	878
38	3	3 2	305	19,844	4 1	815
56	3	6 9	305	18,736	4 3	815
9	3	7-4	305	21,872	3 5	757
Kulp Bros						
210	3	4-2	305	27,687	3 4	948
176	3	4 10	305	18,083	3 9	701
Enos R Peifer						
37	3	3-6	305	21,054	4 5	944
19	3	3 9	305	17,962	4 1	745
Melwood Farm						
Betty	3	4-0	305	19,790	4 5	900
Trixie	3	2 9	305	20,714	3 6	751
Anita	3	2 4	305	19,325	3 6	702
Donald Hostetter Jr						
Kitty	3	8 0	305	23,953	3 7	888
Pepsi	3	5 1	305	21,715	3 7	813
Beauty	3	4 6	305	22,967	3 5	803
Joel C Brown						
705	3	4 7	305	23,171	3 8	886
John M Umble & Sons						
Daisy	3	3 4	305	22,361	4 0	885
Glen H Freese						
Kol	3	7 8	305	20 110	4 4	882
Capsule	3	6 2	305	19 374	3 8	740
Calvin R Blank						
Phyllis	3	4 8	305	21 993	4 0	877
P phyllis	3	3 3	305	19 576	4 1	799
Timothy Kauffman						
Lady	3	3 7	305	23 248	3 8	876
Sally	3	8 11	225	16 739	4 2	707
Gideon Stoltzfus Jr						
Elevatn	3	7 7	305	20 841	4 2	875
Richard Proud & Son						
B11	3	6 4	305	25 467	3 4	870
B12	3	6 7	305	19 764	4 0	798
Round Top Farm						
14	3	4 0	302	23 609	3 6	859
Merle J King						
Porsha	3	5 7	305	23 216	3 7	850
Spell	3	5 5	305	20 902	3 5	739
Lene Hill Farms						
1	3	6 7	305	24 931	3 4	848
Donald Hostetter Jr						
Dana	3	6 10	305	24 364	3 5	845
Midge	3	5 10	305	25 676	2 9	754
Design	3	9 0	305	22 001	3 6	786
David K Stoltzfus						
70	3	6 4	305	21 014	4 0	843
H&R Mason						
113A	3	7 0	305	21 268	3 9	831
13G	3	2 11	305	20,148	3 7	752
69H	3	2 6	305	19 283	3 7	709
Kenneth Umble						
Marcie	3	4 7	305	21 445	3 9	826
Marteen	3	5 5	305	20,345	4 0	817
David L Weaver						
24	3	5 5	305	22 885	3 6	824
Lester Eby						
Velma	3	7 2	305	23,615	3 5	820
Belle	3	3 10	305	18,620	4 0	742
Herman Stoltzfus						
Eloise	3	7 11	305	23 160	3 5	814
Queenie	3	4 1	305	21 284	3 7	796
Walmoore						
20	3	5 6	305	19,907	4 1	813
7	3	5 8	305	23,965	3 2	769
121	3	3 1	305	17 988	4 3	766
68	3	4 4	305	20,038	3 6	714
110	3	3 5	305	16 860	4 2	701
Landis S Reid						
171	3	5 11	305	22 015	3 7	810
Dennis Bush						
138	3	7 0	305	23 720	3 4	808
15	3	5 4	305	20 179	3 8	772
Floyd Miller & Sons						
45	3	4 9	305	20,515	3 9	804
8	3	9 0	305	20,496	3 7	754
Breck A De Farm						
8	3	7 6	305	21 478	3 7	796
3	3	7 5	305	21 076	3 8	796
J Raymond Harnish						
Sally	3	10 5	305	23 620	3 3	789
Ethel	3	3 4	305	18 689	3 8	719
Wilmer L Hostetter						
Conduct	3	3 5	305	19 383	4 1	786
Charles J Moore						
Lizzie	3	3 7	305	21 200	3 7	783
Elmer A Mast						
Momaker	3	7 3	300	20 719	3 8	782
Reta	3	4 7	299	22 931	3 4	772
Richard H Albright						
74	3	4 7	305	23 066	3 4	777
47	3	4 7	305	18 745	3 8	712
Robert Dolinger						
Patricia	3	4 4	305	19 889	3 9	774
Louis C Neyman						
14	3	3 9	305	21 374	3 6	768
Charles H Gable						
251	1	7 3	305	18 179	4 2	768
Mrs John B Hannum 3D						
71	3	3 10	305	22 041	3 5	766
Jonas Z King						
Cindy	3	3 9	305	19 371	3 9	763
Harvey C Waltz						
85	3	4 3	305	23 459	3 2	752
Jefferson D Yoder						
32	3	3 5	294	20 592	3 6	751
James V Yale						
38	3	5 10	305	19 528	3 8	751
40	3	5 6	305	20 163	3 5	707
Ardrossan Farms						
SB Time	1	5 2	302	19 284	3 9	751
Rostime	1	4 5	305	15 980	4 5	720
J Harold Bare						
12	3	4 7	289	19 695	3 8	749
Willowland Farm						
Gin	3	5 11	257	19 713	3 8	744
Audry	3	5 4	305	19 983	3 5	706
David E Weaver						
Nan	3	7 10	305	20 955	3 5	742
Hargret Dairy Inc						
113	3	3 10	305	19 828	3 7	742
Harry L Griest						
14	3	11 9	305	16 077	4 6	738
Arthur D Hershey						
Elaine	3	9 3	305	20 328	3 6	733
Samuel B Acker						
B59	3	4 1	301	19 369	3 8	733
543	3	5 0	305	20 324	3 5	721

(Turn to Page D30)



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June is dairy month

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Glenn Stenger
Freestall Barn & Heifer Replacement Unit

John Steiler
Dry Cow Unit

Joseph Smith
Remodeled Heifer Replacement Unit

Paul Sauder
Milking Parlor & Holding Area

John Rinehart
Box Stalls & Tiestalls

Sam Pierce & Sons
All New 52 Cow Freestall & Parlor Complex

Leroy Patches
Parlor & Hospital Unit

Elwin Nolison
136 Cow Freestall Barn Interior

Elwin Martin
Heifer Replacement Unit

Lauden Farms
All New 100 Cow Tiestall Barn

Charles Hitchner
Dairy Loafing Barn

Eisenhart Bros.
Parlor & Hospital Unit

James Eller
All New 50 Cow Tiestall Barn

Roy Coover
Parlor & Hospital Unit

Martin Blosser
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AGRI-INC.

Located In Farmersville

DESIGNERS & BUILDERS OF SYSTEMS

Blair County DHIA Monthly Report

Pennsylvania Dairy Herd Improvement Association

April 1982
TWENTY HIGH COWS

OWNER	NO COWS	% DAYS IN MILK	LBS MILK	LBS FAT
Dawn Baker	106 4	90 4	19,610	749
Dale W Hoover	34 6	85 7	19,587	735
James Smith	38 2	92 6	20,240	729
Dennis A Smith	46 8	85 6	18,671	723
Blackcrest Farms	65 0	88 7	18,965	723
Marcove Farm	66 7	85 6	18,354	704
Lar Ann Farm	107 2	86 1	18,202	704
Thomas W Kelly	62 2	85 6	18,742	704
Raymond Diebold	35 2	92 2	19,357	699
Penn England	80 2	86 3	17,422	699
G W & R G Baker	72 5	90 4	18,997	696
Cove Valley Hol Inc	87 3	85 1	19,363	693
W Dean Stern	61 0	91 8	19,156	687
Revere Smith	48 1	87 9	17,986	686
Clover Will Farms	145 4	87 3	18,784	677
Jerry & Sandy Young	38 9	87 1	17,352	677
Charles & Mike Hoover	88 2	87 7	19,077	674
Richard Heltzel	36 7	85 9	16,921	674
William R England	155 5	88 2	17,383	672
Burket Falls Farm	81 2	92 1	17 614	670
Cathy	GH	4 3	20 211	4 1	823

HIGH COW

The high cow for the month is a grade Holstein in the Revere Smith herd Dottie at 4 years 10 months, produced 24,327 pounds of milk and 1015 pounds of butterfat in 305 days

Individual Cow Records of 305 days or less over 750 pounds butterfat

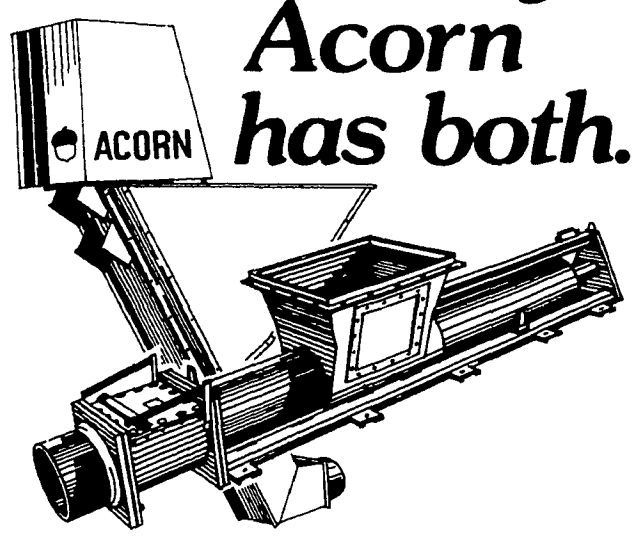
OWNER NAME OR NUMBER	BRD	AGE	LBS MILK	% FAT	LBS FAT
G W & R G Baker					
150	GH	7 1	21 429	3 6	765
James Smith					
Ina	GH	4 6	23 003	3 6	833
Joe McCutcheon					
Y 70	GH	3 6	18 873	4 3	816
Steele Farms					
Donna	GH	10 4	20 808	4 1	851
Chris	RH	4 2	17 580	4 9	861
48	GH	3 8	20 733	3 6	752
Dale W Hoover					
Wapa	RH	3 5	21 388	4 0	858
Connie	RH	2 4	23,214	3 8	876
Clover Will Farms					
317	GH	5 6	23 120	3 6	842
64B	RH	2 8	22 043	3 5	778
Oswald Bros					
Fanny	RH	5 3	23 254	3 3	776
Sandy	RH	4 5	21 173	3 9	828
Sun Smith Farms					
602	GH	3 2	22 101	3 6	806
604	RH	3 2	21,271	3 6	769
Emile Dilling					
90	RH	6 3	22 304	3 8	842
Fred Bechtel					
Patty	RH	5 4	21 857	3 6	794
Blackcrest Farms					
67B	RH	9 9	27 060	3 6	986
1	RH	6 8	24,396	3 3	816
23	RH	5 4	21,886	3 7	804
Richard R Fox & Sons					
Blackie	GH	5 7	19 149	3 9	754
Robert A Brumbaugh					
4568	RH	3 1	21 921	3 5	763
C Eugene Smith					
71	GH	6 7	18,524	4 4	824
Cove Valley Hol Inc					
Donald G Hoover					
Louann	RH	6 9	23 535	3 7	864
Karen	RH	4 1	21 414	3 4	738
Dawn Baker					
411	GH	2 10	17 196	4 4	759
Jerry & Sandy Young					
1	GH	7 2	21 272	4 4	935
Thomas W Kelly					
Betsy	RH	3 5	21,670	4 1	885
Noah S Zimmerman					
Blossom	GH	4 1	23 713	3 2	761
Dorothy	GH	7 1	19 195	4 2	806
Julius Replogle					
Lick	GH	7 2	20 049	3 9	780
Wayne A Sollenberger					
54	RH	7 5	21 064	3 6	754
Revere Smith					
Dottie	GH	4 10	24 327	4 2	1015
Richard Heltzel					
Effie	RH	4 0	19 687	3 9	764
Penn England					
Virginia	RH	3 11	21 418	3 6	778
E P & D L Stonerook					
Margret	RH	4 9	19 046	4 1	786

Chester Co. DHIA

(Continued from Page D29)

Leon D Kurtz						
Sharon	3	6 4	300	20,958	3 5	726
Grace	3	3 3	305	18,688	3 8	708
George P Lamborn						
Inky	3	2 3	302	20,179	3 6	724
Elvin M Rohrer						
93	3	6 11	305	15 383	4 7	724
Christ L Stoltzfus						
Hattie	3	3 3	305	20 150	3 6	723
John P Kauffman						
Susie	3	7 1	305	20,692	3 5	719
Parry Bros						
534	3	6 4	305	19 562	3 7	718
Henry S King						
Penzy	3	3 6	305	18,241	3 9	715
Donald Speckman						
107	3	3 3	305	16 646	4 3	712
Vernon Guest & Son						
Darla	3	5 10	305	16,936	4 2	706
John L Hicks & Sons						
291	3	4 7	305	15,792	4 5	703
Mast Stoltzfus						
Timex	3	3 9	305	22 292	3 1	702

Solid or slurry: Acorn has both.



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Penn State offers hazardous, toxic waste referral service

UNIVERSITY PARK — Pennsylvania's current problems with hazardous and toxic wastes are double-edged. Not only do some of the wastes pose dangerous threats, but controls are threats to industry and to jobs in Pennsylvania.

Little is known about the effects of hazardous waste; about where or how many of these toxic waste are stored, about the kinds and quantities being produced, or what to do about storage and perpetual care

Public misgivings about hazardous and toxic waste rank with fears about nuclear facilities

If Pennsylvania is to continue to protect the environment and remain one of the top industrial states, ways must be found to deal with such materials safely and effectively

The Penn State Cooperative Extension Service and the Institute for Land and Water Resources at the University Park campus of Penn State, is offering a confidential referral and information service

The new service is available to individuals, businesses, citizen groups, and government agencies who have problems concerning hazardous or toxic wastes

This service is in response to Act 97, the Pennsylvania Solid Waste Management Act of 1980 This act requires all who handle such waste to adhere to the Department of Environmental Resources regulations

The consultations are designed to be constructive alternatives to litigation and fines University researchers can provide environmentally sound solutions These solutions can be the basis for constructive community problem solving in the whole area of waste management

The Penn State Cooperative Extension service is a neutral source of information, referral and advice This service could be the link between the problem and the solution Regulation and enforcement is the responsibility of DER, not the Extension Service

The first step in the consultation process is to define the client's problem so that Extension can develop alternative solutions These may include preparing public affairs programming, obtaining further technical information, or locating research and professional-technical information

Some of the problems include measuring hazardous waste materials, understanding waste generating processes, finding the ultimate disposal site, handling spills, or ways to monitor the environment

If you would like more information or you have questions about a hazardous waste problem, contact your local county Extension office The first consultation is free and is often enough to solve the problem In some cases, where extensive consultation is required, there may be a fee

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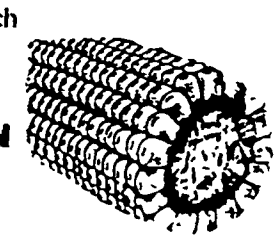

Berks County DHIA Monthly Report

Pennsylvania Dairy Herd Improvement Association

April 1982

OWNER	BREED	NO COWS	% DAYS IN MILK	LBS MILK	LBS FAT
Charles Plushanski	3	105 8	90 3	21,975	821
Heindel Farms Inc	3	27 7	87 2	20,233	812
Chas & Tim Kissling	3	65 6	85 1	20,463	810
Stephen J Janos	3	32 3	88 8	21,010	775
Junge Farms	3	52 1	89 7	18,882	721
Reu Hel Farms	3	40 5	90 6	20,405	708
George Troutman	B3	66 4	90 5	19,512	682
Donald B Duncan	B3	91 4	88 9	17,215	674
Mertz Bros	B3	45 7	84 2	17,811	668
K & R Wolfskill	B3	46 9	84 1	18 915	665
Arlan Krick	B3	70 1	87 5	17,236	663
Mark A Wolfskill	3	91 1	84 1	18 987	663
C & F Stricker	B3	54 9	86 1	17,806	661
Richard Bleiler	B3	53 6	87 8	18,439	661
Glenn R Harnish	B3	73 3	86 5	18,053	660
Robert E Kopfer	B3	44 2	89 8	18,129	654
Roy Hoppes	B3	36 9	86 9	17,280	653
George E Moyer	3	90 3	87 4	16 742	653
Bendy Brook Farm	3	49 1	86 1	18 485	651
Good Bros	B3	64 9	89 7	18,208	650
Zahncroft Farm	3	49 6	85 1	18,055	645
Harvey C Krill Jr	B3	47 4	90 8	17 541	644
Ralph & Ken Sanner	B3	73 4	86 8	17,984	641
Leo Stoltzfus	3	62 9	89 3	17 718	640
B&K Grimes	B3	62 7	88 9	16,007	639
Mervin Brubaker	B3	67 4	87 5	17 489	638
Wilmer R Martin	3	40 3	82 5	17 291	636
David L Schrack	B3	100 6	88 3	15,784	635
Glenn B Gockley	B3	32 3	87 0	17,205	632
Jaimore Farm	B3	75 4	84 7	16,501	630
Clarence B Kulp	3	68 3	86 9	16,696	629
Heindel Farms	1	24 9	84 1	15 020	626
R Bernell Burkholder	B3	40 4	86 6	17,212	626
Ray E Bicksler	3	46 3	84 9	16 328	626
Yost Brothers	B3	111 1	85 3	17,941	625
Barry L Burkholder	B3	47 5	84 2	18,238	625
Lynnacres	3	120 6	88 4	16 732	624
Larry E Phillips	B3	34 5	86 4	17,139	620
Leroy E Howard	3	140 3	90 1	17,316	618
David J Williams	G3	39 6	84 7	16,288	618
William G Howerter	3	89 2	85 2	16 754	617
Kenneth H Wenger	B3	70 5	85 9	17,198	616
William C Adams	3	90 0	87 8	15,371	614
Charles W Lamm	B3	89 6	87 5	16,332	614
Fred J Walters	B3	66 5	86 6	16,139	613
Show Top Farms	3	144 0	89 7	16,773	612
Scattered Acres	B3	145 0	82 8	16,520	611
Linden Loch Holstein	3	53 7	87 8	16,531	611
Frank G Gromlich	3	65 4	87 2	16,119	606
Robert T Bowman	B3	41 5	85 1	16,559	606
Don Aloan	B3	42 0	83 1	15,696	605
Ker Min Farms	3	76 2	88 0	16,449	602
R R Troutman & Sons	B3	104 3	85 9	16,570	601
Roger S Buch	3	48 1	80 7	16 759	600
Wilmer Dreibelbis	B3	50 3	85 0	16,500	599
Kenneth Zook	B3	46 5	85 5	18,487	598
Raymond A Seidel	3	39 1	85 7	16 129	596
William Mitchell	B3	28 9	89 9	16,913	595
Philip & Tom Werley	B3	107 9	84 5	16,168	595
Andrew Stoltzfus	3	148 6	85 1	16,614	595
Lewis Nolt	B3	57 6	87 2	16,012	594
Mat Mar Farms, Inc	3	84 8	85 4	16,307	594
Harold & Geo Schuler	3	64 3	80 2	16,276	594
Harold Schuler	3	62 1	80 2	16,268	594
Larry L Mertz	B3	87 4	88 3	16,442	593
Ernest O Miller	B3	188 8	83 9	16,122	592
George Schuler	3	62 4	79 7	16 238	592
Swatara Dairy Fm	3	86 6	81 8	14,783	592
Alton Rohrbach	B3	40 9	86 3	16,144	591
Daview Farm	3	53 1	83 7	15,910	590
Ontelynn Acres	B3	107 0	85 6	15,213	590
Harvy M Weaver	G3	46 6	83 2	15,877	589
Ernest C Hoffman	3	54 5	89 8	16,511	589
Irvin G Weaver	G3	50 2	82 9	16,595	589
Udder Valley Fm	B3	68 4	88 3	16,434	588
Robert L Sattazahn	B3	104 4	87 7	16,367	587
James & Pamela Berry	B3	43 7	86 8	16 457	585
Win Dale Farm	4	43 8	89 0	11,485	585
FM Browns Sons	B3	94 4	87 0	16 921	584
Hylark Farm	3	81 0	87 3	15,446	583
Way Har Farms	B3	113 5	85 7	16,213	581
Richard H Hoffman	B5	60 5	87 0	15,443	580
Retland Farm	3	48 2	87 0	15,890	579
Richard W Hoppes	3	57 1	85 3	15,796	579
Glenn E Hoffman	B3	40 2	87 1	15,832	579
Bruce D Cammaut	B3	21 8	77 5	15,894	578
Pinnacle View Dairy	B3	50 4	86 0	15,828	577
Robert Yanos	G3	58 7	87 9	15,345	576
Richard H Hoffman	B8	65 7	86 3	15,614	575
Vernon G Good	B3	38 7	87 6	17,369	573
Raymond B Nolt	B3	76 8	84 1	15,670	572
Ray W Seidel	B3	35 0	88 1	15 581	570
Steven E Wagner	B3	26 4	83 3	15,710	569
Carl E Hollenbach	2	55 7	82 7	12 863	569
Vista Grande Farm	3	86 6	85 8	15 779	569
Marlin J Stutzman	B3	54 5	91 1	14,375	568
Donald Burkholder	G3	88 9	85 4	15,434	568
Teen Chal Farm	B3	100 6	87 7	14 552	567
Clarence Sattazahn	B3	95 5	88 8	16,069	565
Norman Z Nolt	3	37 8	80 7	15 367	565
Poplar Drive Hols	B3	50 1	88 2	15,315	564
Pine Brook Farm	3	101 9	84 5	14,639	563
Irvin M Martin	B3	47 5	86 4	16 244	563
Richard H Hoffman	B3	60 4	85 9	15,129	563
John Newswanger	G3	43 9	86 4	15,464	563
Lester Burkholder	B3	100 1	85 1	15 707	563
Arlan D Davis	B3	29 4	84 7	15,990	562
Harold Fenstermaker	3	34 2	86 1	14,401	561
Wilson M Balthaser	B3	72 7	84 7	14,742	560
Lawrence Kieffer	B3	70 6	85 3	16,116	560
E Daniel Leatherman	B3	65 7	85 6	15,413	559
Paul B Martin	B3	49 2	81 9	16,519	559
David Y Knauer	B3	53 4	84 0	15,020	553
Russell H Haas	G3	52 2	86 3	15,287	552

Tioga County DHIA Monthly Report

Pennsylvania Dairy Herd Improvement Association

April 1982
Herds in the Tioga Co DHIA in April 1982 which produced a rolling herd average of 650 lbs or more

OWNER	BREED	NO COWS	% DAYS IN MILK	LBS MILK	LBS FAT
Glenn Bowen	3	38 0	85 0	19 025	756
Chas & Doris Porter	B3	46 8	89 3	19 427	715
Paul & Emma Machmer	B3	25 7	87 6	18,629	705
Verne W Bowen	3	40 2	87 4	19 132	703
G & R Schanbacher	3	52 4	90 3	17 695	701
L&J Holsteins	3	39 5	86 1	17,312	690
Charles Kent	B3	37 1	83 2	19,642	689
Richard Groover	3	39 6	85 7	17,958	679
Bernard G Courtney	B3	110 5	89 0	18,672	678
Larry & Mary Herman	3	46 7	88 1	18,593	674
Theodore Schmelzle	3	47 4	86 6	18,241	665
William Chamberlain	3	40 4	88 2	18,381	660
Clark Bowen & Son	3	45 9	88 0	17,299	658
Harold Robson Jr	3	35 7	88 9	18,476	656
Vernard Watkins	B3	66 6	82 9	15,641	655
David Weaver	3	57 1	88 3	16,678	654
Neil & Karen Fisher	B3	61 4	85 9	17,807	653
Dale E Allen	B3	67 9	87 7	17 469	653
Jotowell Farm	3	39 8	87 6	17,110	652
War Bern Farm	3	88 3	89 2	18 007	651

Cows that produced 750 lbs of butterfat or more in 305 days in April 1982 in the Tioga County D H I A

OWNER NAME OR NUMBER	AGE	DAYS IN MILK	LBS MILK		LBS FAT
MIC Realty					
Candy	7-3	659	35,101	4 5	1580
Chleo	4-7	311	19 153	4 1	777
William Chamberlain					
#103	8-9	305	26,814	3 5	945
Vernard Watkins					
Sue	4 9	305	20,066	4 3	868
Blackie	4 2	305	17,617	4 7	826
Jill	5 1	305	20,211	4 0	801
Clark Bowen & Son					
Winston	6 0	305	21,493	3 9	847
Harold Robson, Jr					
Seven	9 2	305	21,890	3 8	835
Richard Chamberlain					
Wimpy	5 6	305	25,810	3 2	826
David Weaver					
Addie	10 6	305	19,571	4 2	825
Woody	4 1	305	22,681	3 3	756
Ello	8 2	305	19,769	3 8	751
Jay Foreman					
#81	9 6	305	20,102	4 1	820
#356	3 2	305	20,186	3 9	793
L&J Holsteins					
Quen	6 2	305	20 617	3 9	802
Chris Gaugler					
Bee	8 7	305	20,890	3 8	794
Gay	6 3	305	22 415	3 4	767
War Bern Farm					
Anne	9 8	305	21 321	3 7	792
Andy	8 5	302	22 176	3 5	779
Gordon M Wood #1					
Faith	12 2	305	20,893	3 8	789
Tom Bower					
#73	6 1	271	17,532	4 4	779
#35	8 7	305	17,456	4 4	761
Dean Baity					
Katrina	4 7	305	20,845	3 7	773
Neil & Karen Fisher					
Priscil	4-3	305	22,229	3 4	765
Jenkins & Pazzaglia					
#44	9 1	299	22 908	3 3	756
Gordon M Wood					
Rose	4 6	305	22,300	3 4	756
Bernard G Courtney					
Tild	9 10	305	22,445	3 4	753

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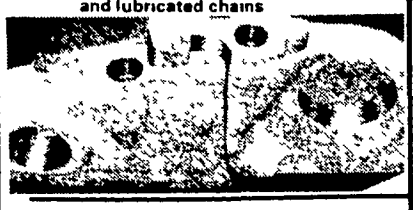

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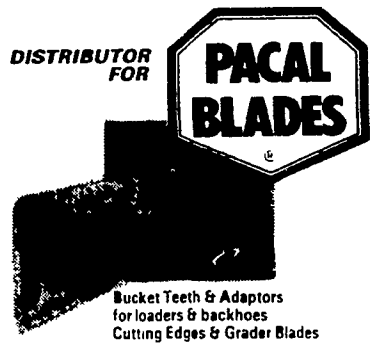

Bucket Teeth & Adaptors for loaders & backhoes
Cutting Edges & Grader Blades

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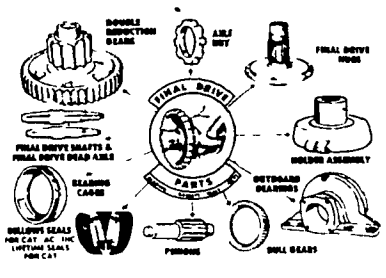

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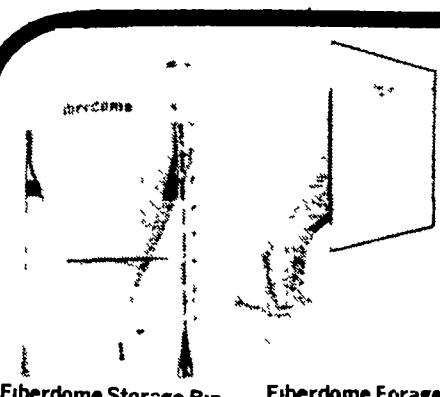

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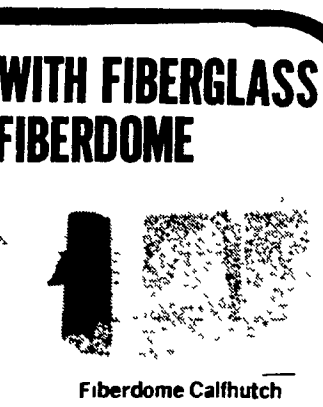

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Insulation value provides warmth in winter while remaining cool in summer • Hutches may be nested for compact storage • Hutches are easily moved by use of firmly imbedded I bolts • Studies show respirator problems disease and calf mortality are reduced when hutches are properly used

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Farm Talk

Jerry Webb

The Agricultural Department has come up with some interesting ideas of what farming will be like in the not to distant future.

For instance, a machine will roll down tracks harvesting the grain and preparing the field for the next crop A pheumatic tube will take the grain from the machine and deposit it in the farm elevator

Fields will be 100 yards wide and five miles long to allow the robot machine room to operate Other robots will irrigate, apply pesticides and perform other routine field work

On future beef farms, steers will fatten in multi-storied, glass-walled pens that will look like high rise apartments .

USDA says these ideas aren't too farfetched. Farmers who are with it are already harnessing modern management methods to new tchnology. The results are revolutionary Automation, science, and credit financing are now and will continue to be the tools of agriculture, according to the Agriculture Department

A phrase buried in that last sentence deserves more attention — credit financing Not enough farmers have adjusted their thinking along these lines

Here's an example How much money would a young person need to get started in farming? To purchase equipment and finance operations on an adequate-sized operation takes at least $200,000 Right? At least that's why the experts say so few young people go into farming.

Let's get back to credit financing and consider the question again Who says the person in question has to buy a farm and all the machinery needed to run it? But then he'd be a sharecropper — worse than that he wouldn't even own his equipment

Maybe that's part of an old myth or image problem that continues to be a millstone to farmers Perhaps there's too much concern about owning land, buildings, tractors and combines

What businessman or manufacturer feels like a sharecropper until he owns every bit of his plant? Many industrial giants started with a few thousand bucks and a good idea They borrowed money, incorporated, got something going, sold stock, expanded, reinvested and made money for the corporation and the stockholders

These people are leaders in business and their communities They're respected, wealthy, successful Yet they don't personally own their companies Sure they have shares of stock, but they make no effort to buy and pay for everything they use They get capital by selling stock or borrowing money

The point is they get the money they need to do business Compare that with the farmer who borrows money to buy a farm and then spends thirty years tied to a mortgage So tied, in fact, that the farmer has little operating capital and the farm family lives in relative poverty

The difference is an attitude toward debt Farmers have traditionally felt that debt was wrong and owning everything needed to farm was good They buy land when it may in fact be more profitable to rent it They buy expensive machines when leasing might be better They pay cash when it might be to their advantage not to.

The result of all this is that farmers in total have a fairly low debt load in relation to their assets That means they have good credit ratings

Businesses, on the other hand, grab all the credit they can in their effort to expand and make money If they can borrow at 15 percent and make that money earn 20 percent, they'll do it They have no hangups about debt loads, or sharecroppers, or being buried in a new suit now owning anyone

So back to our original question about the cost of getting into farming A sharp person with proven ability and the right attitude could do it on a few thousand bucks

Farming is a business — it can [illegible] should be financed that way

New FOR '82!

BUSH HOG® MODEL SQ-60R SQUEALER

Here's **real economy** in a quality-built **Rotary Cutter**

SPECIFICATIONS
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CUTTING WIDTH	60
HITCH	3 Point ''f
CUTTING HEIGHT	2 12
DECK	11 gauge steel
BANDS	11 gauge x 7
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GEARBOX	540 rpm heavy duty
BLADES	x 3
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WEIGHT	Approx 530 lbs
ROUND BLADE HOLDER	Standard

Safety Chain Shielding Is Available

WARNING Because of the possibility of injury from thrown objects all rotary cutters are potentially dangerous Any rotary cutter intended for use along roadways or other locations where people may be present must be purchased with safety chain shielding

Specifications Subject To Change Without Notice

COMPARE: **Price/Performance/Durability**

If you want a tough, dependable 5' rotary cutter at an affordable price look no further than the Bush Hog Squealer

The Squealer s attractive price compares most favorably with cheaply built competitive models

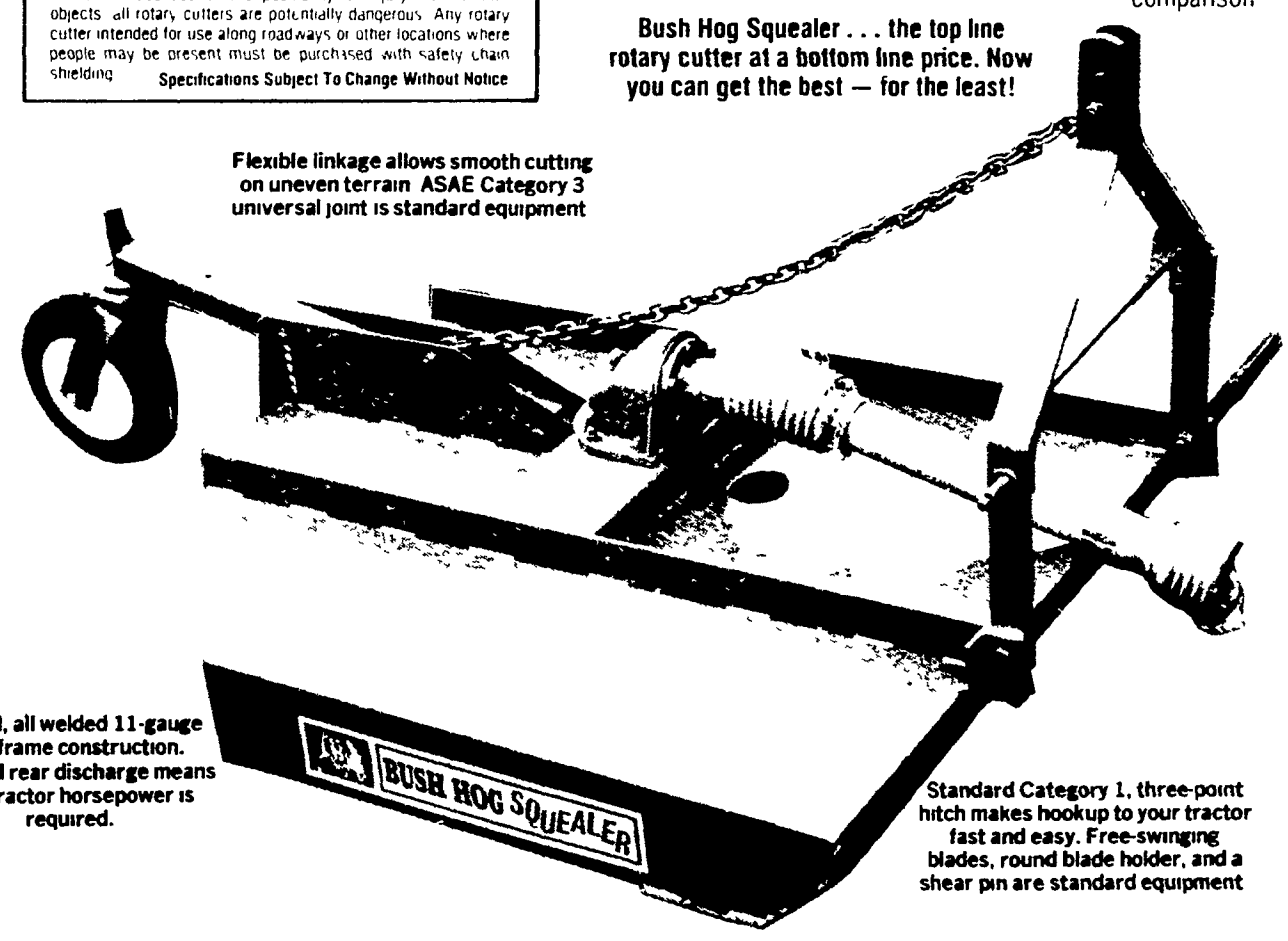
The Squealer's performance is outstanding on grass and pasture clipping jobs general maintenance cutting

The Squealer is built for dependability — year after year

The Bush Hog Squealer is a quality product from the industry leader the number 1 choice with any standard of comparison

Bush Hog Squealer . . . the top line rotary cutter at a bottom line price. Now you can get the best — for the least!

Flexible linkage allows smooth cutting on uneven terrain ASAE Category 3 universal joint is standard equipment



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Milk production up 3 percent

HARRISBURG — Milk production in Pennsylvania during April 1982 totaled 771 million pounds, up three percent from a year earlier according to the Pennsylvania Crop Reporting Service.

The number of milk cows in the Commonwealth during April averaged 727,000 head, up 12,000 head from a year ago Milk production per cow averaged 1,060 pounds in April, up ten pounds from a year ago

The frequency of the national milk production report has been reduced from monthly to quarterly The first quarterly report will be released July 16 and subsequent reports will be released during October, January and April

MILK

Adams County DHIA Monthly Report

Pennsylvania Dairy Herd Improvement Association

April 1982

OWNER	BRD	NO COWS	DAYS IN MILK	LBS MILK	% FAT	LBS FAT
Noel & Holmes	3	59 7	90 5	19 721		765
Weim Sharr Farms	3	60 5	87 4	20 208		746
Kling Ayr Farms	3	37 7	88 4	20 079		727
Leroy Deputy	B3	128 4	86 6	18 843		705
Stoner Bros Dairy	G3	70 6	88 2	18,628		697
El Rho Farm	3	52 5	85 9	18,592		694
Brown Valley Farm	3	75 6	86 7	18 023		692
William Myers	B3	37 1	86 1	19 016		677
Yelow Buttercup Farm	3	122 8	89 2	17 273		676
Roy A Weaner Jr	3	55 7	88 9	17 646		674
M J Starner & Sons	B3	116 2	90 4	16 567		664
Ray Dutterer	B3	61 0	88 4	16,975		659
Piney Lane Guernseys	2	57 2	88 3	13 556		658
Eugene Witter	B3	67 6	89 1	16 863		642
William C Mearns Jr	B3	91 2	87 5	17 131		638
Buttonwood Farms	3	124 5	87 6	16 932		635
Richard K Herr	B3	101 7	85 9	16 642		623
Wayne H Rodgers	B3	82 2	85 0	15 870		603
Penn Gate Farm	3	45 5	83 1	16 321		599
Grn Manor Guernseys	8	24 1	85 2	12 614		596
Way Brite Farms	B3	129 9	87 0	15,515		595
George I Lauchman	B8	34 2	81 5	16 095		594
Claude Holmes Jr	3	40 9	83 1	15 612		593
Robel Acres	3	99 7	87 1	16 521		591
Kraybill Miller	B3	47 4	86 3	15 792		589
Getty Acres	B3	172 5	84 3	16,358		588
Adam F Lobaugh	3	44 0	82 9	15,901		584
Donald Todt	B3	51 1	87 0	16 071		582
John J Hess	B3	110 6	87 0	15 179		582
Zeppdale Farms	B3	110 2	87 4	15 632		573
James E Miller	2	40 7	81 4	12 053		571
Lagging Stream Farm	B3	117 3	81 4	14,801		568
Stone Manor Dairy	3	47 7	84 1	15 152		567
Ber Crk	3	59 4	86 1	14,904		556
Roger L Sprague	B3	55 2	83 8	14,469		552
Robert & Linda Meyers	B3	70 3	87 1	15 435		550

All complete lactations of 650 lbs fat or more

OWNER NAME OR NUMBER	BREED	AGE	DAYS IN MILK	LBS MILK	% FAT	LBS FAT
Brown Valley Farm						
Adele	3	7 7	305	17,708	4 1	729
Bertha	3	5 7	305	16 640	4 3	719
Annie	3	5 2	261	17 512	4 0	705
Adora	3	4 1	305	16 458	4 6	755
Vicky	3	3 3	288	17 850	3 8	687
Penn Gate Farm						
24	3	3 2	303	19 193	3 9	753
Flashie	3	2 2	305	17 473	4 2	734
Robel Acres						
73	3	5 5	305	19 883	3 6	712
Piney Lane Guernseys						
Elanaga	2	7 3	305	15 871	4 5	711
Pandy	2	3 0	305	14 380	5 2	750
Lass	2	2 8	305	14 016	5 0	694
Glorius	2	2 8	305	13 408	5 3	709
M J Starner & Sons						
194	3	8 8	305	14 746	4 5	670
132	3	3 10	305	18 722	4 1	771
24	3	2 11	305	16 267	4 4	719
Leroy Basehoar						
36	3	4 4	305	18 266	4 0	735
Donald Todt						
Skylark	3	6 4	305	18 778	3 5	655
Betty	3	5 11	305	19 328	4 0	781
Amy	3	5 0	305	19 422	3 6	702
Kling Ayr Farms						
Gerri	3	7 4	305	18,753	3 9	722
Heddy	3	6 5	277	19 430	3 5	682
Ida	3	4 10	281	20 347	3 4	682
Buttonwood Farms						
Regina	3	5 7	305	24 271	3 5	848
Leah	3	2 3	305	15 868	4 4	705
Sadie	3	2 8	305	16,476	4 0	663
Roy A Weaner, Jr						
10	3	7 0	305	18 474	3 6	665
Lagging Stream Farm						
Cupid	3	8 8	305	22,014	3 1	692
Trixie	3	8 9	305	21 887	3 6	790
Lassie	3	6 4	305	17 231	4 3	735
John J Hess						
85	3	4 2	305	18 439	4 0	732
Shamrock Farm						
39	3	4 2	292	18 062	3 7	670
El Rho Farm						
Bright	3	8 5	305	17 866	4 4	785
Yelow Buttercup Farm						
12	3	9 8	305	20 694	4 2	869
75	3	7 5	305	17 619	3 9	688
29	3	5 6	305	20 226	3 6	734
72	3	5 2	305	19 020	4 1	786
61	3	5 3	305	17 046	4 2	718
88	3	5 3	299	17,227	3 8	658
79	3	4 7	305	20 118	3 9	783
71	3	3 0	305	19 815	3 3	663
Wayne H Rodgers						
Lucy	2	8 7	305	14 325	4 6	661
Sophie	3	7 6	305	20 139	3 4	686
Gean	3	7 1	305	15,032	4 3	651
Vinnie	3	4 4	305	20 653	3 5	723
Monica	3	4 5	305	17,593	3 7	651
Weim Sharr Farms						
33	3	9 7	305	24 149	3 4	827
79	3	9 10	305	24 694	3 8	948
William C Mearns Jr						
41	3	6 11	305	19 840	3 6	711
47	3	6 0	277	16 851	4 3	733
88	3	4 0	305	19 086	3 6	678
92	3	4 0	305	20 694	3 8	786
158	3	3 5	305	19 223	3 5	668
Eugene Witter						
Ida	3	7 4	288	18 386	4 0	735
Ginger B	3	3 8	295	17 000	4 4	743
Horney	3	3 11	305	16 311	4 3	706
Way Brite Farms						
G 9	3	4 1	305	19 698	3 5	683
Leroy Deputy						
Mitzi	3	7 8	305	21 723	3 3	723
Oakie	3	6 3	305	22,364	4 2	929
Ruth	3	4 6	305	22 305	3 0	680
Claude Holmes, Jr						
Tally	3	5 1	305	20 540	3 2	652
Getty Acres						
248	3	3 10	305	15 305	4 3	653
270	3	3 10	305	25 123	3 4	856
Zeppdale Farms						
76	3	6 7	305	20 400	3 6	742
Rhodes Enterprises						
1	3	3 10	303	19 041	3 7	712
Ber Crk						
Lanet	3	5 6	305	16 412	4 1	674
Grn Manor Guernseys						
Lucille	2	5 6	302	14 747	4 8	706
Richard K Herr						
Bambi	3	3 8	305	20 167	3 8	774

Clearfield Co DHIA
April 1982

Following are the cows completing lactations over 750 pounds of butterfat on the April 1982 DHIA Report

A L Orner Sons				
Gina	H	25 315	3 7	934
Beth	H	21 952	4 1	907
Ellie	H	20 054	4 0	794

Following are the Clearfield County herds producing over 650 pounds of fat on the April 1982 DHIA Rolling Herd Average Report

Wriglesworth & Son	B3	51 7	85 5	18 699	702
Glenn Hicks	B3	54 8	89 1	18 964	693
A L Orner Sons	B3	66 6	87 4	17 985	691
John Sankey	3	30 8	86 8	17 718	652

Carroll Baltimore Co DHIA
April 1982

Maple Lawn Farm (C E Iager & Sons), Fulton had the herd with the highest average for the month of April according to figures just released by the Carroll Baltimore Dairy Herd Improvement Association

During the month of April 116 dairymen in Carroll Baltimore counties participated in this program Listed below are herds with more than 650 pounds of fat

Maple Lawn Farm Inc (C E Iager & Sons)	158	19,508	711
F Lindsay Wilson	75	18 178	675
Del Myr Farm (Roger Myers & Sons)	89	19,092	673
Marlin Hoff	385	18,663	670
Barnes and Wilhide	58	17,205	657

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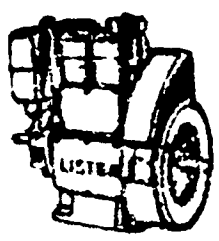

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- Good used diesel engines
- New Sputnik wheels and parts

We mount diesels on balers, crimpers, cornpickers, etc.

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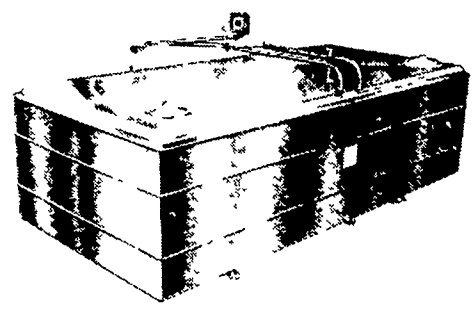

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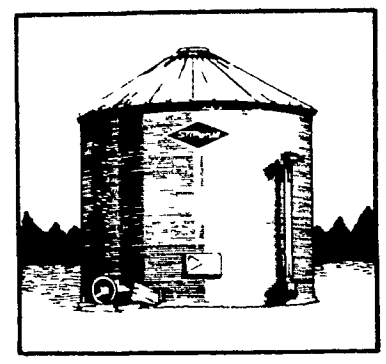

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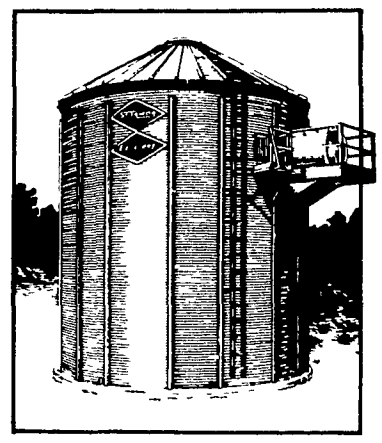

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Bradford County DHIA Monthly Report

Pennsylvania Dairy Herd Improvement Association

April 1982

This reports all DHIA cows that have produced 750 pounds of butterfat or more in 305 days

OWNER NAME OR NUMBER	BRD	AGE	DAYS IN MILK	LBS MILK	LBS FAT
Y Run Dairy Farm					
Abby	3	7	305	20 376	763
Mapoval Farms Inc					
Pam	3	6	305	18 388	840
R Boots	3	4	305	21 732	812
Bruce Leslie Bresee					
Shana	3	5	305	19 202	751
Dahlia	3	2	305	19 532	816
Bennett R Young					
78	3	6	305	20 802	787
Roe Russell Jr					
426	3	7	305	20 106	839
434	3	7	297	19 705	787
473	3	5	305	18,387	783
474	3	4	305	23,764	819
Lynn & Bonnie Miller					
Diane	3	8	305	21,197	773
Merle Bacon					
Deanna	3	4	305	17 569	818
Glen & Arlen Landis					
May	3	4	305	25,914	761
Robert & Anna Marie Cole					
Rose	3	4	305	21 597	826
Donald E Harkness					
Denise	3	8	305	22 186	807
Milford Kinsman & Son					
Tac	3	7	305	22 187	845
Gerald Stethers					
85	3	4	305	18 358	757
Elmer Comstock					
Paula	3	7	305	20 419	806
Fivebrooks Farm					
Lynne	3	8	305	20 596	821
Imogene	3	4	305	20 269	819
Steve & Carol Jenkins					
Capsule	3	8	305	17 815	758
Pinetop Farm					
Gem	3	8	305	22 315	933
Merrily	3	7	305	20 520	756
Le Canville Farm					
Fanny	3	6	305	20 400	777
Ella	3	6	305	24 253	762
Gene Miller					
[illegible]	3	10	305	21 304	753
Sheldon L Millard					
12	3	8	305	20 310	899
5	3	6	305	21 121	807
Cragle Knolls					
Bootsie	3	9	305	20 982	856
Windham Valley Farm					
Marsha	3	8	275	20 443	753
Clyde T Seeley					
Lady	3	8	305	19 752	770
Raymond Hoppaugh					
Nymph	3	5	305	22 080	807
Roy & Tim Beardslee					
6	3	5	305	19 403	764
Roof Farms					
Flo	3	3	305	20 161	825
Braund Valley Farms					
Toni A	3	4	305	20 485	794
Matt Will					
Tina	9	6	305	18 727	767
Sharon	9	7	305	23 267	906
Mary	9	8	305	20 335	940
Tammie	9	8	305	19 [illegible]	[illegible]
Agatha	9	3	305	27 256	813
Allen S Andrews					
Marble	3	5	305	24 482	823
Pam	3	5	294	20 896	752
Leona Holsteins					
Fawn	3	6	305	23 355	788
Kenneth Walters & Sons					
29	3	6	305	17 918	845
Ter Mar Farm					
Cindy	3	6	305	18 689	792
Hopps Hill Farm					
48	3	7	305	23 205	926
Snoball	3	4	305	22 661	893
Ronald P Davis					
Harriet	3	6	288	17 405	752
Donald Jennings Jr					
19	3	4	305	19 819	767
Snowcrest Farm					
Joan	3	4	305	18 732	761
W&R Vanblarcom					
88	3	4	305	17 823	786
Bill & Donna Earls					
Unity	3	6	305	19 734	753
David & Joyce Egge					
31A	3	4	305	17 508	786
Jerry Pruyne					
2	3	6	305	18 707	833
94	3	5	294	18 609	755
Abraham S Derstine					
Holly	3	4	305	20 588	864
Ione	3	4	305	21 621	793
Cindy	3	4	296	17 661	929
Larry B Wright					
Reta	3	10	305	18 076	752
Gary S Ferguson					
Gina	3	7	305	19 570	750
Pet Roypa Farm					
Ethel	3	5	305	20 356	783
Romaine & Jeff Sechrist					
Maurene	3	7	305	21 510	791

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June is dairy month

June is dairy month

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Mifflin County DHIA Monthly Report

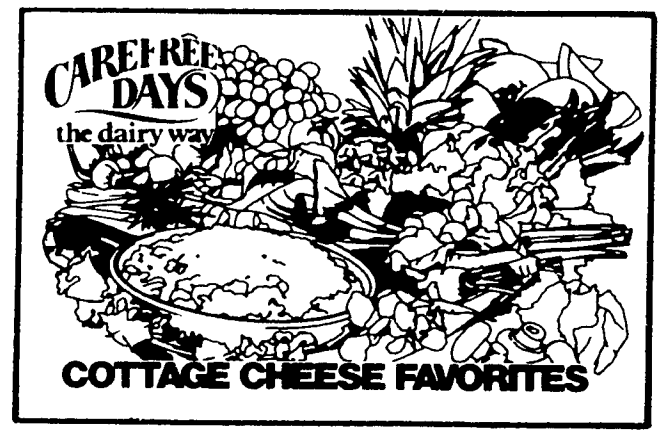
dhia — Pennsylvania Dairy Herd Improvement Association

April 1982
Herds 650 Pounds Fat & Over

OWNER	BRD	NO COW	DAYS IN MILK	LBS MILK	LBS FAT
Percey & Glenn Yoder	H	77 6	88 1	19,122	732
E Clair Fisher	H	42 7	90 1	18,484	710
James L Hostetter	H	44 7	91 0	18,029	691
Fred C Myers	H	23 1	90 8	16,671	689
Mark S Yoder	H	83 4	87 5	17,240	686
John A Peachey	H	55 2	88 8	19 076	679
Robert Stayrook	H	25 5	87 5	17,625	678
Bradstead Farm	H	35 8	92 0	18,027	675
Louis S Peachey, Jr	H	53 5	87 0	17,066	670
David R Spicher	H	70 3	90 1	17,557	663
Charles L Forry	H	42 1	89 6	17 006	655

High Cows and Heifers 750 Pounds & Over

OWNER NAME OR NO	BRD	AGE	LBS MILK	LBS FAT
Merle E Yoder				
Jenni	H	8 9	16 753	705
Lisa	H	8 1	24 494	819
Peachee Farms				
Spot	H	7 0	19 435	741
Flame	H	4 10	21 282	888
Lois	H	3 7	21 841	749
Yoderstead Farm				
Blacky	H	6 6	22 471	889
Carmen	H	4 5	18,413	836
Nell	H	2 4	19 639	795
Percey S&R Glenn Yoder				
Prebe	H	5 8	23 182	756
Harold Aungst				
#293	H	7 4	18 172	788
Leon K Donahey				
Windy	H	6 6	20,907	791
Glory	H	6 6	19,946	822
Nelson J Bradford				
Jetty	H	3 6	21,789	752
John L King				
Jana	H	6 8	20 344	787
Carrie	H	4 8	19,358	795
John A Peachey				
Candy	H	5 7	25,896	812
L J Dunmire Sons				
#345	H	8 5	21,519	784
John K Kauffman				
Snoflak	H	4 6	21,450	846
Sharon	H	4 5	21 052	839
Dusty	H	3 9	21,165	833
Rosella	H	3 3	19,994	836
Simon & Allen Peachy				
#37	H	5 6	23 747	797
Louis S Peachey Jr				
#46	H	4 10	19,699	863
Daniel P Zook				
Belle	H	7 9	15 851	769
John A Yoder				
Brenda	H	3 3	21,524	764
David W Yoder				
#66	H	6 5	20,905	858
Paul H Yoder				
#646	H	7 8	20,667	765
Jolly	H	6 6	21,376	751
J D Glick				
Matty	H	6 7	19,775	751
Jacob C Speicher				
Toddle	H	1 11	19 958	799
G Sheldon Peachey				
Sunny	H	4 9	22,420	828
David T Hostetler				
#7	H	4 2	20 768	807
Bill & Karol Wingert				
Doc	H	7 10	21 409	758



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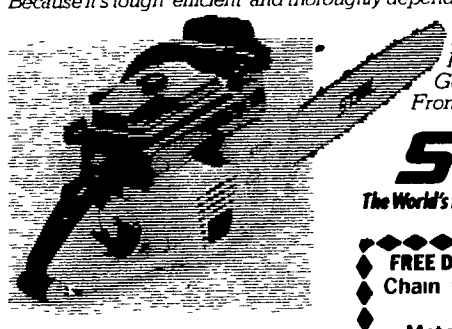

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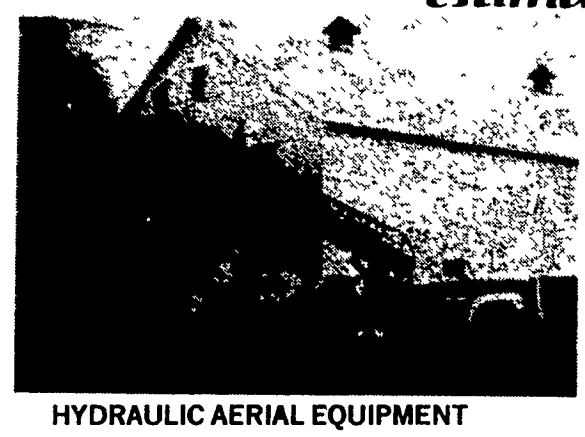

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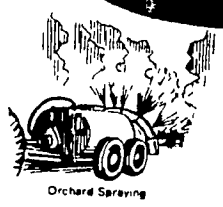
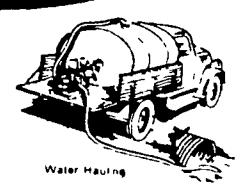

Orchard Spraying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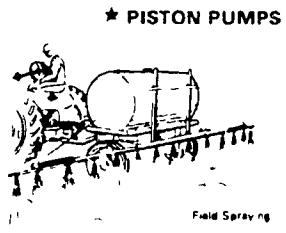
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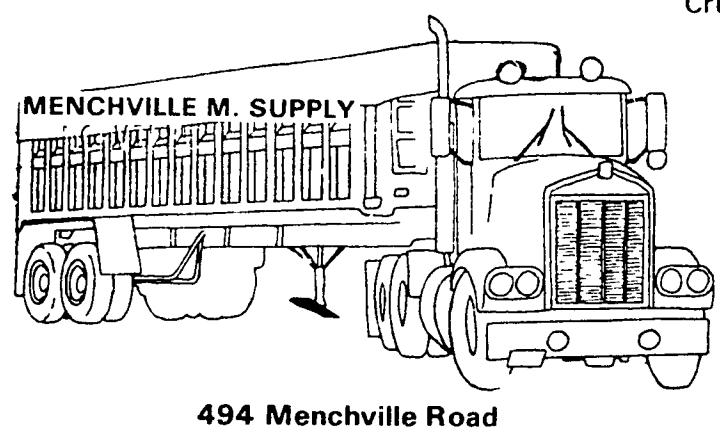

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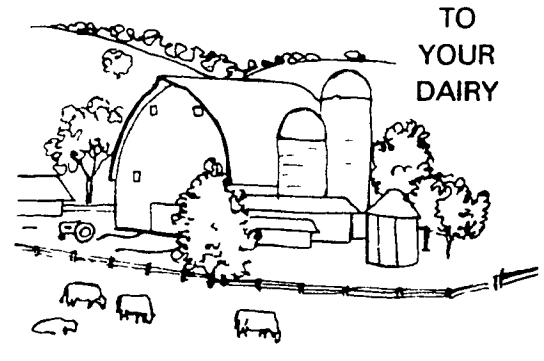
TO YOUR DAIRY



Heifer Project sends dairy heifers in Appalachian program

NEW WINDSOR, Md. — Eighteen dairy heifers, six sheep and six pigs have been sent to southern West Virginia by Heifer Project International.

The animals were mostly from Pennsylvania, and were collected at the farm of Paul Hess of Mt. Joy, on May 6, 1982. From there they were all trucked to the Appalachia South Folklife Center near Pipestem, West Virginia.

The Appalachia South Folklife Center was founded by Don West with the intention of teaching poor youth about their own mountain heritage, and giving them pride in this heritage. As Don became familiar with many of the families in the area, he requested assistance from Heifer Project in the form of animals for those families who were working to improve their lives.

The initial request as for dairy heifers, which were sent in the fall of 1980. These heifers were distributed to needy families who wanted a family cow. In the spring of 1982, 20 complete beehives were sent to help young people begin beekeeping, and again this year Heifer Project hopes to send additional beehives.

The dairy heifers sent this year will again be distributed, one to a needy family, in order to provide a family cow, which in turn will provide nutritious milk for the children of the family. This will be the first time sheep and pigs will be sent, and it is our hope that several families can be given help in starting to raise these animals.

One of the basic principles of Heifer Project is that each person or family who receives an animal must "pay" for that animal by passing on an offspring to another needy family. In this way, each heifer will not only produce milk for the family receiving that heifer, but the first female calf born to that heifer will be passed on to another family, who in turn promises to pass on the first female to another family, and so on

Even with the beehives, each person receiving a beehive promises to build another hive, and when the colony can be split, they will produce a hive which can be given to another family In this way, animals sent by Heifer Project not only provide help this year, but through offspring provide food for more and more families every year

For further information or to offer support for this project and other similar projects around the world, contact Heifer Project International, P O Box 188, New Windsor, Md 21776

NAILE posts dairy events

LOUISVILLE, Ky — Dairy shows and sales will be the first attractions of the ninth annual North American International Livestock Exposition to be held this year November 6-19

The dairy cattle will be competing for over $70,000 in premiums Among the events will be four sales, several Junior Shows, and the North American Invitational 4-H Dairy Quiz Bowl, according to Harold Workman, General Manager of the North American

A listing of dairy events for the 1982 Expo are as follows

SHOWS

Saturday, Nov. 6

All American Junior Jersey Show; National Junior Guernsey Show; Junior Holstein Show, Junior Brown Swiss Show, Southern National Junior Ayrshire Show, 4-H Junior Dairy Quiz Bowl

Sunday, Nov. 7

Jersey Jug Futurity

Monday, Nov. 8

All American Jersey Show thru Junior Champion Female, National Guernsey Show, Southern National Ayrshire Show, Open Brown Swiss Show

Tuesday, Nov. 9

All American Jersey Cows and Group Classes, Open Holstein Show

SALES

Saturday, Nov. 6

National Guernsey Sale, Pot-O-Gold Jersey Sale

Sunday, Nov. 7

All American Jersey Sale

Monday, Nov. 8

North American Classic Holstein Sale

The North American International Livestock Exposition will again be held at the Kentucky Fair and Exposition Center in Louisville the NAILE includes events for five species of livestock—dairy cattle, beef cattle, sheep, swine, and quarter horses Total entries are expected to exceed 13,000 this year with premiums in excess of $300,000 The NAILE is sponsored by the Kentucky Department of Agriculture, Commonwealth of Kentucky

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USDA clarifies produce cases

WASHINGTON, D C — Amendments to regulations under the Perishable Agriculture Commodities Act clarify informal settlements on misrepresentation violations, relax the cumulative record requirements and increase the licensing exemptions to $230,000, according to a U S Department of Agriculture official.

The Perishable Agricultural Commodity Act, administered by USDA's Agricultural Marketing Service, establishes a code of good business conduct for the produce industry and requires that all interstate traders in fresh and frozen fruits and vegetables must be licensed by USDA

John J Gardner, of the AMS Fruit and Vegetable Division, said the changes in PACA regulations make it clear that informal procedures for resolving instances of misrepresentation of fruits and vegetables is not limited to the first seven violations Informal procedures for settlement range from a warning letter for the first two violations to penalties up to $2,000 for additional violations

Current regulations require that records of misrepresentation violations be destroyed if there were no violations during a 24-month period but be retained indefinitely if violations occurred periodically Under the changes, the 24 month clean period remains in effect but any record of misrepresentation more than 36 months old will be destroyed unless it already has been included in a formal disciplinary action, Gardner said

Other changes in the regulations increase from $200,000 to $230,000 the licensing exemption for retailers and frozen food brokers and raise the $3,000 to $15,000 the level of monetary damages necessary for automatic granting of an oral hearing.

Keep your cool in the parlor

UNIVERSITY PARK — If your milking parlor is the "hottest place on the farm" during the summer, perhaps you should do something about it now. An uncomfortable operator cannot do a good job milking cows.

"A few windows and the small exhaust fan you use for winter moisture removal are not enough during hot weather," says Robert Graves, Penn State Extension agriculture engineer. During hot weather you want to move as much air past the operator as possible. Use a large fan to bring fresh air from a reasonably clean outside location into the pit area.

As a rule of thumb, you should provide for 1½ air changes per minute. For a double 8 herringbone parlor, this will be a fan of about 10,000 cubic feet per minute.

Graves recommends locating the fan over the end of the operator's pit away from the holding area. This will tend to pressurize the parlor and air will have to flow through the length of the parlor and out into the holding area The air will also tend to keep foul smelling hot air from the holding area out of the parlor and may help to keep flies from coming in through open doors Graves says that it is probably not necessary to have open windows along the side of the parlor, with this method

In existing parlors or if equipment is in the way you may have to locate the fan elsewhere and duct the air to the operator's pit. The duct can be run the length of the pit with drops or openings provided to direct the air to different locations in the pit. In general, if you are moving enough air this extra effort won't be needed.

If your parlor has openings on both ends you may wish to introduce the "air blast" in the center of the pit. This summer air system needs a tight fitting cover that can be closed during the winter to prevent heat from escaping the parlor.

A smaller exhaust fan for removal of moisture during cleanup periods in the winter should be provided. About 100 cubic feet per minute per stall is adequate for this purpose This may be operated with a timer to allow it to run during and shortly after cleanup to remove the moist air

"Dairy Delights" brochure available

CAMP HILL — Hot, humid days call for special tactics to bypass summer inertia A new leaflet, 'Dairy Delights From a Blender," provides delicious ways to beat the heat

Among the 17 recipes included are Pineapple Orange Frosty, Chilled Avocado Soup, Bacon Dip, Chicken Almond Sandwiches, Molded Cucumber Salad and Spumoni Squares

A special chart shows how you can adapt your blender to the recipes whether it's a 4, 6 or 16 speed type For your copy, send a stamped, self-addressed, long envelope to Dairy Delights, c/o American Dairy Association, P O Box 721, 6300 N. River Road, Rosemont, Illinois 60018

dhia Pennsylvania Dairy Herd Improvement Association — Montgomery County DHIA Monthly Report

April 1982

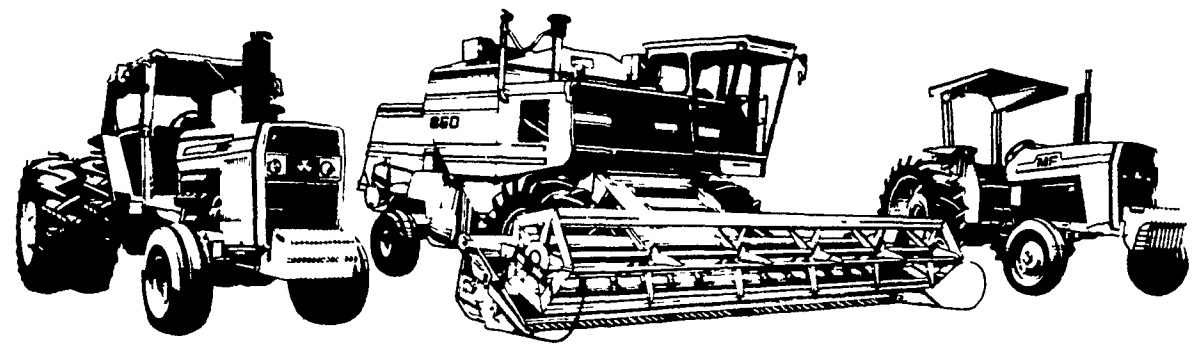
OWNER	BRD	NO COWS	DAYS MILK	LBS MILK		LBS FAT
Merrill Mest	B3	38 0	92 5	54 7	4 1	2 23
George Bisbort	B3	44 5	90 1	56 3	3 9	2 19
Merrill Mest	B3	38 0	94 7	53 5	4 1	2 18
George Seneko Jr	3	72 2	92 9	66 6	3 2	2 11
E Jay Renninger	B3	121 8	93 3	55 1	3 8	2 07
George Seneko Jr	3	72 5	93 3	63 3	3 3	2 06
Halteman & Son	B3	52 5	96 3	54 6	3 7	2 04
Robert A Hewitt	B3	42 1	92 9	54 2	3 8	2 04
Charles Rhoads	3	35 0	88 7	51 1	3 9	1 99
Roy Kolb & Sons	B3	79 3	88 7	51 5	3 9	1 99
J Harold Keener	B3	45 0	87 4	49 0	4 0	1 95
Halteman & Sons	B3	51 8	99 6	52 6	3 7	1 94
J Harold Keener	B3	45 0	90 0	48 0	4 0	1 94
Fred Seipt Family	3	113 1	88 7	51 1	3 8	1 93
Lalisa Holsteins	3	33 0	83 5	51 0	3 8	1 93
Harold Halteman	B3	61 5	90 2	48 7	3 9	1 92
David P Longacre	3	89 3	84 4	49 1	3 9	1 92
Thomas Nikerle	B3	53 0	89 0	47 5	4 0	1 91
Richard Bechtel	B3	63 9	91 2	50 4	3 8	1 91
Daniel E Kolb	B3	48 6	99 5	49 2	3 9	1 91
Merrill G Ruth	B3	66 6	91 2	55 1	3 4	1 90
Gordon D Holl	3	46 7	86 4	48 8	3 9	1 90
Ronald R Johnson	G3	40 1	89 5	49 5	3 8	1 89
Gehringer Bros	8	56 1	93 0	46 2	4 0	1 83

All Cows 750 pounds of fat or more

OWNER NAME OR NUMBER	BREED	AGE	DAYS IN MILK	LBS MILK	LBS FAT
Alvin D Delp & Sons					
Eva	H	4 9	300	21,070	756
Joy	H	4 4	305	20,146	881
Walebe Farms					
926	J	4 6	305	16,529	829
1857	J	5 6	305	16,750	768
Merrill Mest					
C 2	H	9 10	305	19,933	820
E Jay Renninger					
89 A	H	8 11	305	19,244	797
S Horace Mower & Sons					
39 A	H	11 3	305	20,008	799
213	H	5 7	305	19 257	776
259	H	4 7	305	19,332	812
George Seneko, Jr					
Leslie	H	6 4	305	20,239	768
Fred Seipt Family					
Heddy	H	9 2	305	23 034	839
Felony	H	4 0	305	19 628	780
David Longacre					
Linda	H	5 10	305	23,057	859
Queenie	H	2 11	305	19,614	806
Hy Vue Farms					
40	H	7 11	305	27,264	842
818	H	5 6	305	27,855	813
976	H	2 7	305	22,370	756
Jesse V Zumstein					
540	H	6 0	305	13 911	730
322	H	5 5	305	18,067	793

JUNE IS DAIRY MONTH

REBATES FROM $400 TO $4,700 On New Massey-Ferguson Equipment



Right now, you can make your best deal on most new Massey-Ferguson combines, new MF farm tractors, or new MF industrial tractors and get a cash rebate from Massey-Ferguson!

PLUS REGULAR FINANCING!

In addition to your rebate, you can finance your new equipment purchase through Massey-Ferguson at current rates if you qualify Or

CHOOSE THE 9% FINANCING OPTION!

Instead of a rebate and regular financing, you may choose to finance at the special annual percentage rate of 9% for one full year It's a rate that's right for you!

See us soon for all the details. And ask about special 9% A P R financing on selected items of used equipment, too But hurry! Offer is good for a limited time only

SEE US FOR DETAILS ON OUR GREAT RATE/REBATE OFFER.

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Carlisle, PA
Ph (717) 249-5338

S. G. LEWIS AND SON
West Grove, PA
Ph (215) 869-9440
869-2214

MARLIN W. SCHREFFLER
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ARNETT'S GARAGE
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Hagerstown, MD
Ph (301) 733-0515

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Maxatawny, PA
Ph (215) 683-7252

M. M. WEAVER & SON
N. Groffdale Rd
Leola, PA 17540
Ph (717) 656-2321

GUS FARM EQUIP. INC.
Int Rt's 616 & 214
Seven Valleys, PA 17360
Ph. (717) 428-1967

R.W. KELLER SALES
Perkasie, PA 18944
Ph (215) 257-0101

LEBANON VALLEY IMPLEMENT CO.
700 E. Linden St
Richland, PA
Ph (717) 866-7518

ABRACZINSKA'S FARM EQUIP. INC.
RD 1, Catawissa, PA
Ph (717) 356-2323
(South on Rt 42)

WEB SNYDER INC.
RD 1
Watsontown, PA 17777
Ph (717) 538-5555

MEYERS IMPLEMENTS INC.
400 N. Antrim Way
Greencastle, PA
Ph. (717) 597-2176

MF Massey Ferguson

SURGE OUTPERFORMS ITSELF...AGAIN.

Introducing the best lightweight, high capacity milker Surge ever designed. A full pound lighter than our popular Mini-Cup II, yet its 39 cubic inches give it more capacity than any other claw-type milker.

The new Mini-Orbit is also easier to carry, easier to attach and remove. Fits right in your hand.

Visibility's better, too. And larger, repositioned nipples coupled with larger stem inflations, proper balance and low center of gravity assure faster, more equal milking action.

Like To Have The Mini-Orbit Performing In Your Barn?

See Your Nearest Surge Dealer Today!

June is dairy month

We can make your cows worth more.
SURGE

See The New Line Of SURGE MILK COOLERS & HTO & STO Detachers

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JIM'S SALES & SERVICE
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PEN W. HOSTETTER
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Ph: (717) 867-2896

LONGACRE ELECTRICAL SVC. INC.
Bally, Pa.
Ph: (215) 845-2261

H. DANIEL WENGER & BRO. INC.
RD 1, Hamburg, Pa
Ph (215) 488-1025

White introduces new model tractor with quiet and more convenient cab

OAKBROOK, Il — A new tractor cab, designed for operator convenience and quiet comfort, has been introduced by White Farm Equipment Company on a new middleweight tractor The new 2-110 Field Boss tractor with 107 hp (manufacturer's estimated PTO hp) features the new modular cab along with other engineering improvements.

"This new modular cab makes the 2-110 one of the quietest Field Boss tractors yet," says Rodger Hipwell, Director of Marketing Services

"The controls are conveniently located just to the right of the seat. These and other improvements make the 2-110 a great all-purpose tractor for most farming operations."

To reduce noise and vibration, the dash and steering column are an integral part of the cab Sound-deadening upholstery covers nearly all the exposed interior metal, and a new high-performance air conditioner keeps the interior cool

The cab also includes an adjustable armrest seat, tilt-telescoping steering wheel, hydrostatic power steering and integral R.O.P.S. frame. All hydraulic, shift and throttle controls are on a special console on the operator's right

The new tractor features White Farm Equipment Company's 3 x 6 Over/Under transmission, with on-the-go shifting through three ranges in each of six gears. The transmission features 18 forward speeds, including nine speeds between 2 and 7 mph.

The turbo-charged six-cylinder engine in the new tractor features 3-ring pistons, piston cooling nozzles and improved intake porting. Other tractor features include triple disc brakes and lever-type hydraulic couplers

Optional equipment on the new tractor includes power front axle, wide-swing drawbar, satchel-type weights, rear wheel weights. AM/FM radio, AM/FM stereo, 8-track or cassette

The new 2-110 Field Boss tractor from White Farm Equipment Company offers a re-designed modular cab for more quiet, comfortable and convenient operation.

Sunflower seeds make good dairy feed

NEWARK, Del — Sunflower seeds have long been favored by birds and people Now a University of Delaware dairy scientist says they're good for dairy animals, too

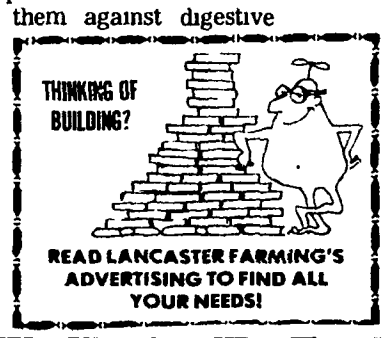
If the price is right, says Delaware Extension dairy specialist George Haenlein, sunflower seeds could be valuable in dairy cattle nutrition, especially for high-yielding cows which often produce milk with a very low fat content. This is due to a relative deficiency of fiber in the animals' daily diet.

Hay is a more common source of fiber for cows, but sunflower seeds may work equally well. Haenlein says sunflower seeds contain as much fiber as hay, more energy than oats, and more protein than either oats or corn. And now that the winter bird feeding season has ended, some sunflower seeds may be available at discount prices, Haenlein suggests

This is especially good news for those with dairy goats. Goats may be picky hay eaters, yet without sufficient dietary fiber they are subject to digestive disturbances such as acidosis and enterotoxemia

Enterotoxemia, or overeating disease, can be fatal Goats tend to develop the disease after eating too great a porportion of low fiber feeds like shelled corn, oats, concentrate feeds, oilmeals, or even hay pellets, which are usually made from hay that has been too finely ground. However, in the sunflower seed, Haenlein says, nature has neatly packaged a palatable, nutritious feed inside a highly fibrous wrapper. He says feeding goats sunflower seeds can help stave off enterotoxemia.

Sunflower seeds can be mixed and dispensed with any kind of amount of grain ration, the specialist says. He has seen milking Saanen does and kids kept for months on a ration of sunflower seeds, 3/8-inch hay pellets, cracked corn, oats, and minerals With the inclusion of sunflower seeds, Haenlein says, no hay or straw is necessary. And the high fat content of the seeds helps the animals produce well even as it protects them against digestive upsets.

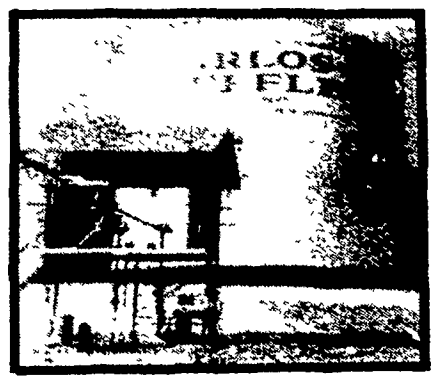


PUBLIC SALE
Host Farm Resort Motel
2300 Lincoln Hwy. East
Lancaster, Pa.
SATURDAY, JUNE 12
9:30 A.M.
Furniture, golf carts, linens, carpet, lamps, etc Lot not listed - coming from other Host Motels. Note: Auction held on Rockvale Rd. Do Not Use Lincoln Hwy. Entrance.
Sale For:
HOST FARM
Auctioneers: Wm. R. Wood 687-6978
Geo. Rolko 687-7725

PUBLIC AUCTION
SATURDAY, JUNE 12
At 10:00 A.M.
Contents of the Old Laurel Feed and Mfg. Building of Cedarville, Chester County, at
Ridge Fire House - Pottstown, Pa.
3 mile East of the Rt. 23 and 100 intersection.
Featuring an appealing, early, miniature, Sheraton child's desk, a Sheraton chest of drawers, Dutch tilt kitchen table, plank bottom half spindle, pressed back, Oak table, organ stool, East Lake parlor chair and victrola parlor radio, turn of century mail order catalogues, kegs of cut nails, horse hanes, Chester County lard cans, planes, tools, toys, youth beds, store cases, crocks, auto parts. There will also be a fine assortment of clean later early American furniture plus many misc household items Be sure this is the sale you attend before vacation as we will be selling "local history."
Ken Moyer
Your Specialist in Auctioneering
215-323-7313
Pottstown, Pa 19464

NOTICE!
TO BE SOLD
TUESDAY, JUNE 22
8:00 P.M. DST
One Fancy Trailer Load of Cows and Heifers out of New England States Cows milked from 60 to 100 lbs per day Most of these cows are out of good dispersals
These cows are consigned by Johnny, Jr
Watch next week's issue for more details.
Smoketown Quality Dairy Sales Co.
Sale Manager

Towne Tractor Company, Rte. 33, Freehold, N.J.
EQUIPMENT CONSIGNMENT AUCTION
SATURDAY, JUNE 19, 1982
9:00 A.M.
Early Listing
TRACTORS:
Allis Chalmers 5040, Allis Chalmers G, IH Cub, IH Super A, IH Super H, Ford 8N w/loader, Ford Jubilee w/loader, Oliver 1900 diesel, IH Super H w/loader, Oliver 70, 1936 Oliver, 1933 Moline, Oliver rowcrop w/cultiv., IH 460, Massey Ferg. 65.
INDUSTRIAL:
Yale fork lifts (3), Baker fork lifts (2), Yale propane forklifts (3), 6 ton tandem trailer, 9 ton triple trailer, utility trailers, welders, air compressors, Clark lift truck, Towmptor lift truck, AC Road grader.
LAWN AND GARDEN:
Gravely 7 HP, elec w/mower; Bolens 10 HP w/mower, Ford 10HP w/mower, Ford 850 w/mower and sb, Simplicity 11 HP w/mower, Dozens of riding and walk behind mowers, tillers, etc.
FARM TOOLS AND EQUIPMENT:
EZ Flow spreader, York rake, Bush Hog fold up discs, Danheuser blade, Ford loader, Oliver 3 bottom reverse plow, John Deere 2 bottom plow, Int. 2 bottom plows, Int 6' discs, Int. 7' grdr blds, New Holland baler, Hay wagons, Oliver combine, Allis Chalmers 66 combine, Silage blowers, Fox field chopper, Oliver and Deere drills, Beef cattle feeder system, Hay conveyor system, Tag along mowers, tractor snowblower 3 pt. rear, 1901 thrasher, horse drawn wagons, New Idea chopper.
VEHICLES:
White grain truck, 1977 GMC furn. van, Ford dump truck, Chev 4 WD w/plow and salt spreader, 1935 Ford V8, 1953 Ford Sedan, Model A and T parts, GMC fire truck, Chev pickup, Dodge 300 util trk, Ford pickup, VW dune buggy, Yamaha cycle.
Full list next week
Consignments Arriving Daily!
JACK WOOTTON,
NJSA, NAA, Auctioneer
201-431-3838

A BIG JOB...
Dairy month
FEEDING A GROWING WORLD POPULATION IS ONLY BEGINNING ...A BIG JOB THAT WILL GROW EVERY YEAR!
CARLOS S. LEFFLER, INC. IS HAPPY TO BE A PART OF THIS VITAL SERVICE, SUPPLYING FARM FUEL NEEDS IN CENTRAL PENNSYLVANIA.

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Lancaster 717-397-8244

Call Now To Place Your CLASSIFIED AD

Ph: 717-394-3047 or 717-626-1164

AUCTION SALE
COMPLETE LIQUIDATION
THURSDAY, JUNE 17, 1982
10 A.M.

FOR: WISHARD TRUCKING, to be held on the north side of U.S. Rt. 22, approx. 5 mi. west of Huntingdon, Pa. Everything Sells to the Highest Bidder.

TRUCK TRACTORS incl.: (12) '79-'64 Kenworth, IHC, & Mack; BULK & DUMP TRLS. incl.: (19) '80-'64 Fruehauf, Summit, Parker, Trailco, Great Dane, montane, & Trailmobile; LOADER, PICKUP incl.: Mich. 175B & '78 Chev. Cheyenne; SHOP EQUIP. & TK. PARTS Incl.: Welders, Compressor, Grinders, Jacks, Startall, Steam Jenny, Wrenches, Tk. Tractor parts, Eng. blocks, Fuel tanks, and more. '81 MFG BOAT, ICC & PUC AUTHORITY & REAL ESTATE (To be sold subj. to owners confirmation).

TERMS: COMPLETE PAYMENT SALE DAY IN CASH OR GUARANTEED FUNDS ONLY.

Write or call for descriptive brochure:

VILLSMEIER AUCTION CO., INC.

Route 309, Montgomeryville, Pa. 18936.
Telephone. (215) 699-5833

EVENING AUCTION
OF VEHICLES & SURPLUS SCHOOL ITEMS ON THURSDAY EVENING, JUNE 10
5:30 P.M.

Located at the Berks Vo-Tech West Center, ½ mi. west off Rt. 183 at traffic signal, 2½ mi. north of Reading Airport, Bern Twp., Berks Co.

1973 Dodge Van-6 cyl-stick; Oldsmobile Ambulance, Metro Walk-in Truck; Rambler car; Tenant 85 Power sweeper, 2 ton trailer w/pintle hitch; 12 single Van seats; 22'x40' Missile tent & other canvass; handy hoister type PL, 1000 lb, Electra Research #6713, 2000° furnace, Army generator; lab sinks, 3-faucet research sink & cabinets; ice machine, vari-typer, IBM repro punch, 85 collator, 402 accounting machine & interstacker, large drafting tables & machines, desk type card holders, card shelves; large 4 wheel hand & shop truck, lockers, metal bookcases & wall cabinets, sodium vapor lights, flourescent lights, duplicating machines, print enlarger, lot of scrap iron.

SOLD FOR
BERKS VOCATIONAL-TECHNICAL SCHOOL

TERMS: CASH OR PA CHECK
Frey Auctioneers

FREY AUCTIONEERS
JOHN D & GEORGE D
Yellow House

PUBLIC AUCTION
OF VALUABLE ANTIQUES, TOOLS AND COLLECTABLES
MONDAY EVENING, JUNE 7, 1982

On the premises located along Ridge Road, ¼ mile N.E. of Black Horse, Route 1, Reinholds, Pa.

The following to be offered: Hohenadel Beer Sign with John Sullivan's Picture; Advertising Thermometers; T. Stahl Piece; Cowden & Wilcox Blue Deco Butter Crock; Redware and other Crocks & Jugs; 2 Bracket Oil Lights; Other Oil Lights; Copper Washboiler; Fish, Beam and Brass Face Scales; Sadirons; J. Davis Meat Hook and other Hooks; Meat Forks; Meat Saws; Pie Crimper; 1787 Flax Comb; Decorated Trammel; Picture Nails; Small 20 Drawer Cabinet; Mary Weaver Spatterware; 2 Small Brass Lanterns; Blue, Green and Grey Agateware; Glass Butter Churn; Brass Butter Mold.

Glass Prisms; 2 Purple Slag Shaded Lights; Toleware Sugar and Tray; Child's Airplane; Small Wooden Express Wagon; Coffee Grinder; Plug Tobacco Cutter; M.B. Young Rake and Fork (as is); Gifford Wooden Rake; Old Books; "Enemies in the Rear of A Golden Circle Squared", a History of S.E. Pa. in Civil War Times by Francis T. Hoover in 1895; "Sitting Bull and The Indian War" 1891; "Our Martyred Presidents"; "History of Reading" 1748-1898 by Montgomery; "Boxing Record of 1925"; "The House of Derr" by James Spear; Mt. Springs Hotel Post Cards of Ephrata.

TOOLS: Signed Stricker, Stohler and Brady Pieces; Sener Axe with the Eagle; Hand Axes; Ice Axe; Twibel; Cayuaga Indian Double Blade Axe; Set of Gruber Wrenches; Gruber Oyster knife; Conestoga Wagon Tools and Irons; Conestoga Jack; Double Bit Mortising Axe; Signed and Dated Pump Handle; Dinenr Bell; Winchester Drill Bit; Ford Tools; Adz; Brass Hand Drill; Plumb Bobs; Pill Syringe; Caliper and Rules; 2 Slicks; Drawknife; Blacksmith Flux Block; Double Twisted Breast Chains; Anvil Tools and Hardees; Cast Iron Implement Seats; Harness Hooks; Old Whip Holder for Store; Leather Tools; Old Hardware and Hinges

German Locks; Brass Locks; Dated Cast Iron Lock; Cupboard Latches; Bolts and Wing Nuts; Serpent Head Wall Irons and Hooks; Peck and ½ Peck Measures; Martin Senour Paint Board; Bench Vise; Grinding Wheels; Small wooden Wheelbarrow; Stone Fountain; Wooden Bench and Stools, and many other articles too numerous to mention.

Auction at 5:00 P.M

Auction by
MAHLON KEITH

H.H. Leid Auction Service
Sensenig and Fry, Clerks
Refreshments will be available

TOOL SALE
1981 CHEV. TRUCK (like new) - D-17 A.C. TRACTOR, J.D. 10-10 CRAWLER, ASST. OF CONTRACTOR TOOLS & SUPPLIES
(Cement - Carpenter - Plumbing, etc.) HAY - STRAW - SEASONED LUMBER
SATURDAY, JUNE 12
At 9:00 A.M.

LOCATED — On Rt. 443, 1 mile east of Rt. 443 & 183 red light intersection, in R.D. 3, Schuylkill Haven, Schuylkill County, Pennsylvania.

EQUIPMENT AND TRUCK - 1981 Scotsdale w/305 engine, loaded with less than 1000 original miles, D-17 Allis Chalmer, New Idea loader, tractor chains, John Deere 10-10 diesel crawler w/backhoe, 6' reel gang mower, 6' line spreader, 20' Mayrath grain auger (new), 50 - 8' cypress posts, 20 creosote posts, chicken wire, 2 - 12' alum. gates, B&S engine w/pump & sprayer boom, 60 bales straw, 100 bales timothy hay.

TOOLS - Sears bench rip saw, electric mule pipe dye machine, h d 1-3" pipe cutter, pipe threader, dye set, lg pipe wrenches, 100' plumber snake, electric Jefferson oscilating hacksaw, 5" vice, Delta tilt-top table saw w/6" jointer combination (a real production machine), 10" Dewald radial arm saw, Porter cable h.d. floor sander, J Deere A-18 high pressure cleaner w/solvents, sm electric motors, 1½ h p motor, 3 rubber tire wheel barrows, 7 - 20'x2" screening pipes w/hooks, mud tubs, concrete vibrator, Skil ¾ h.p router & bits, Skil circular saw (special) & blades 5½", B&D jig saw, B&D h d 6½" saw, B&D ½" h d. drill, Stanley J 4 electric plane, Wen 8" belt sander, Portor cable 7" saw, Craftsman tap & dye set, Lock installation equip , 4' clamps, ratchet set, 1" to 2" socket set, lg open end wrenches, asbestos cutter, ladder jacks, roof jacks, step ladders, hand trucks, truck chains, coal chutes, tarps, 200' lead in service cable, 300 lb. new nails, new nuts, bolts, screws, asst hand tools, new 3'x100' rubber hall matting

HOUSEHOLDS - Kenmore dryer, Lady Kenmore auto. washer, Maytag wringer washer, 50 gal. electric hot water heater, sm. Philco ref , window air conditioner

LUMBER - Approx 500' seasoned pine & approx. 200' seasoned oak. Many items too numerous to mention.

Auctioneer's Note: Good selection of former contractor tools.

TERMS: Cash or app. check.
Lunch available
Owner reserves right to reject any or all bids. Not responsible for accidents.

Sale ordered by
ELEANOR HEISER
JAY RIEGEL JR., Auctioneer
717-739-4718

Pork industry takes lard off

UNIVERSITY PARK — In 1955 the nation's commercial lard production was 2 1 billion pounds Each hog produced about 35 pounds of lard and there was enough to provide each consumer with 10 pounds of lard on an annual basis

By 1980 total lard production in the U S had dropped to 1 2 billion pounds, even though hog slaughter had increased by about 35 million head Lard production per hog in 1980 had dropped to just 12 5 pounds per hog or 2 4 pounds per person It isn't just consumers imagination that pork seems much "leaner" than it was 25 years ago

There are two other trends which have been less obvious outside the industry As fat lost favor with consumers, producers have made great strides in breeding and marketing meat type hogs These hogs are longer, more meaty and have only a fraction of the lard their ancestors had 25 years ago

The nation's hog producers have become highly technical and efficient producers in recent years, according to H Louis Moore, Penn State Extension agricultural economics specialist

At the end of 1981 about 5 percent of all hog operations had an inventory of hogs exceeding 500 head The surprise is that these operations, accounting for just 4.7 percent of all operations, accounted for 45 percent of the nations hog inventory

At the other end of the scale are the small operations which had less than 100 hogs in inventory at the end of 1981. About 77 percent of the nation's hog producers fit this category. These small operations account for about 15 percent of the total hogs. The trend toward bigness is likely to continue.

In addition to growing in size and producing much leaner pork, producers are also doing a better job of producing and marketing hogs throughout the year The growth of large operations has been an important factor in equalling production throughout the year

After World War II about 60 percen of the pigs were born in the December-May period of each year This put a surplus of pork on the market each fall and required that pork be stored for use in the first half of the year when supplies would drop

By the late 1950s about 57 percent of the crop was born in the spring and 43 in the fall By 1981 there was almost equal distribution between the spring and fall pig crops During the year 51 percent of the crop was produced in the spring and 49 percent in the fall Moore says that the more even distribution of marketings of finished hogs has reduced many of the seasonal pricing problems as well as producing to better fit Consumers demand for pork

GAP AUCTION
FRIDAY EVE., JUNE 11
5:30 P.M.

Located off Route 41 - Lancaster Avenue Opposite Turkey Hill Minit Market - Cross RR Bridge

ANTIQUES AND HOUSEHOLD GOODS SOLD AT EVERY AUCTION

Estate from Oxford with several pieces of oak, including wash stands, buffet, tredal sewing machine, high oak bed, dressers & library table, etc

CONSIGNMENTS ON MONDAYS FROM 8:00 A.M. to 7:00 P.M.

Call us for pick up service
IRA STOLTZFUS & SON, Auctioneers
442-4936 or 442-8254
CONDUCTORS ALL TYPES PUBLIC SALES

FARMERSVILLE AUCTON
TUESDAY, JUNE 8
5:30 P.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa.

Apt. lot from Lancaster, plus additions. Bedroom suite (painted blue); Dressingroom suite (painted green); Mah. drum table w/ball & claw feet, International Harvester Chest Freezer; game table; 2 pc. Early American livingroom suite; wing back chair; corner cupboard; Singer sew machine, recliner; Maytag wringer washer; end table; feather pillows; bookshelves; lots of unpacked box lots; etc.

We sell on commission
Call **JOHN J. RUTT** 354-5095
Consignments being accepted for our July 5 Antique Sale.

PUBLIC SALE
OF ANTIQUES, HOUSEHOLD GOODS GUNS & POOL TABLE
SATURDAY, JUNE 12
at 10:00

Located along Street Rd., R.D. 2, Holtwood, Lancaster Co., Pa. Near Holtwood Recreation Area. From the Buck take Rt. 372 about 5 mi. west to River Rd. & turn right to Holtwood Rd., Turn left to Street Rd.

Frig. 2 door side-by-side refrig & freezer frost free, Frig. auto washer H.D , Frig auto dryer H.D.; Silvertone AM-FM radio & record player in mahg cabinet; Westinghouse 10,000 BTU window air cond., elec. Magnus organ, elec. window fans. Furn in uph , lime mahg., pine, Empire, walnut, oak, wicker, maple etc Gilted mirrors, walnut & other picture frames, rugs, lg. & sm. jugs & crocks; sponge spatter bows Articles in iron, tin, wood, agate Milk bottles; sterling & silverplate, glassware & china in pressed, German, pink Dep , Jap , blue willow, ironstone, white opal , Nippon, milk glass, mach etched etc Collections of salt & peppers, what-nots & china owls Kitchen articles, bedding & linens Guns Rem 30x60 pump model 760 rifle, Marlin 30-30 lever action, 410 sing. barrel Brear bow & arrows, 2 & 3 channel walkie talkies; other misc articles not listed NO OUT OF STATE CHECKS ACCEPTED. Food served.

Sale by
MRS. LESTER IMMEL
(Margaret Immel)

Auctioneers
Howard Shaub 464-3541
and Roy C. Probst

Sale Reports

A public auction of antiques and guns was held May 29 by Mr. and Mrs. John Moyer, R2, Annville, Waterworks Rd., Lebanon Co. There were about 600 people attending the sale

Some prices included: 1880 S Liberty $5 gold piece $660, silver dollars $9 to $15 each, shaft bells $57 50, meat fork $50, meat hooks $5 to $16 each, new cedar chest $260, wooden ice box $175, two wood boxes $300 & $140, small claw foot table $170, two reed rockers $105 each, oak washstand $220, 1963 Chev. Impala $500, and Winchester Model 94-32 cal. special rifle $300.

Harry H. Bachman was the auctioneer.

xxx

A public auction of farm machinery and household goods was held May 29 by Mr. and Mrs. Earl W Killian, off Ridge Road in southern York Co. Thee were over 700 people attending the sale.

Some prices received were: Long 445 tractor $3,600, M F. 65 tractor $1,850, IHC 3-bottom plow $700, Smoker hay & grain elevator $250, farm wagons $265 each, M.F. Roto Bar rake $650, N.H. #450 mower $485, small store-type coffee grinder $85, dining room suite $700, two reclining chairs $250 each, 3 pc. oak bedroom suite $400, old lemon squeezer $22.50 and tilt-top table $125.

Charles W. Shrodes & David W. Shrodes, auctioneered the sale.

Protect horses from insect pests

NEWARK, Del — Hot weather brings insects that pester horses. Some of the more common pests include deer flies, large horseflies, face flies, gnats, mosquitoes and little black biting flies, says Delaware Extension equine specialist C M Reitnour

Many products on the market are designed to discourage insects, says Reitnour For example, protective nets or shields are available to keep insects from a horse's head and eyes.

Insect repellents are also available, but their effectiveness varies Several products are specifically designed for use on horses. These include wipe-ons and water-base sprays. Wax sticks are available for longer-lasting protection around the horse's eyes and ears

Many of these products don't last long, however, because the horse's sweat washes them away You may be tempted to use petroleum-based (kerosene) repellents for longer-lasting protection. But these, combined with the animals's thin skin and the hot sun, can cause severe burns — even blisters. This is especially true in show or race stock that is stabled most of the time

Reitnour recommends using repellent dusts, water-base sprays or wipes Twice-a-day application is usually the most effective, he says. Avoid getting the repellent in the horse's eyes or on a nursing mare's udder

Horses that are kept outside develop a tougher skin and a greater tolerance to insect bites than horses that are stabled Some stabled horses become sensitized to insect saliva and develop severe local reaction to insect bites

Management methods that control the insect population can help reduce your horse's irritation, according to the specialist

Keep paddocks and stables clean and dry to eliminate breeding areas for insects Spray or dust manure or compost piles with insecticide to prevent larvae development Provide darkened, cool areas for your horse so it can avoid flies and gnats

In addition, keep your horse stabled when insects are heaviest and most bothersome. Treat the animal with mosquito repellent and turn it out at night or for short periods very early in the morning before flies become active

During the day keep your horse in a clean, dry barn that doesn't have places for insects to breed Fans create air movement that helps discourage insects that are unavoidable, Reitnour says

PUBLIC SALE
OF TOOLS & SMALL EQUIPMENT
TUESDAY EVE., JUNE 8
@ 5:00 P.M.
Located between Morgantown & Honey Brook. Follow Rt. 10 to Twin County Restaurant, take Shirktown Rd. approx. ½ mile to Chestnut Oak Rd., turn left to sale. Watch for sale arrows.

225 Amp Lincoln Welder, Weld tools, Safety helmets, Goggles; Torch & acetylene gauges, "C" clamps, Fire ext., Hyd jacks; Trailer hitches; Atlanta wood burning stove, Kerosene stove; Anvils, Elec sander, Blacksmith forge, Elec grind., Vise, Battery charger; McCullough chain saw, Elec. gen w/motor, Skil saws, Table saw; Truck Tarp, Cable & pulleys; Hand sprayer, Pipe cut & thread, Elec. cords; Ladders, Grass seeder, 24" torque wrench; Misc. wrenches; Socket sets, Meas. tapes, Shovels; Pr fender mirrors, Many misc hand tools, Tin Shears; Nuts, nails, bolts, screws, etc.; Tree trimer, Log chains, 2 - 55 gal drums on stands, 5 gal. crock, Water cooler, Picnic cooler; Canner, Approx 25 gal. S.S. cont, Rope, Benches, Fishing rods; Fishing weights, line, lure, net, Misc eng., STEEL "I" BEAMS 6" W x 16" H x var. lgths; Steel siding, Sev. pics steel plating, Many other items not mentioned

Terms by:
GLADYS E. SPADE
Elton & Alvin Horning, Auctioneers
215-286-5183

PUBLIC AUCTION
SATURDAY, JUNE 26, 1982
10:30 A.M.
LAWN GARDEN - LIGHT TRACTORS
FARM EQUIPMENT
"CONSIGNMENTS TAKEN NOW FOR ADVERTISEMENT"
Ph: 301-658-6400

Experienced Auction - With Results - Call Now - Turn your items to cash - unused items are worth 16% to you in your bank:

Inviting Lawn Garden Equipment, Tractors, Farm Eq., Post, Tools, Vehicles.

— Sell The Auction Way —

Auctioneers
Hunter's Sale Barn, Inc.
Rt. 276
Ph. 301-658-6400
Rising Sun, Md.
Cecil County's Leading Auction Service

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301-658-6400
Norman E. Hunter, Parkes Williams
"Cecil County's Leading Auction Service"

5.6 AC. "Woods Head"
SUPERB AIR CONDITIONED CONTEMPORARY RESIDENCE
Woodshead Terr., Wrightsville, Pa.
Hellam Township, York County
AUCTION
Subj. to Confirmation
FINANCING AVAILABLE

Just W. of "Cool Creek" CC. Approx. 1-1/2 Mi. W. of Rt. 30 Bypass, 15 Min. to Park City Mall (Lancaster) & York

Secluded, landscaped setting. Spectacular vistas. Living Room w/fireplace; 4 Bedrooms; 2-1/2 Baths; Terrace; Sun Deck w/barbecue; Patio; 2-car Garage.

DIRECTIONS. From Rt 30 Bypass, Wrightsville exit S on Cool Creek Rd 1-1/2 mi to Pisgah Rd. Right to Strickler School Rd Right to 2nd rd on left

Inspection Sun, June 20 from 1 to 4 P M.
SALE on Premises WED, JUNE 23 at 7 P M

Louis Traiman AUCTION CO OF PA
Real Estate Brokers — AUCTIONEERS
1519 SPRUCE STREET PHILADELPHIA PA 19102 (215) 545 4500

PUBLIC SALE
SATURDAY, JUNE 19, 1982
9:00 A.M. Sharp
For Raymond and Catherine Garling.
522 North Allison Str, Greencastle, Pa.

Terms Cash. Lunch Served. (Not responsible for accidents)

REAL ESTATE. 8 room dwelling, 2 full baths, shower in basement, 3 car garage and workshop, house carpeted throughout, modern kitchen, built in stove, dish washer etc. Ph- 597-8670 for inspection (Subject to reserve bid) Terms 10% down, balance in 60 days. Real estate offered at 1 P.M. June 19th.

SHOP TOOLS..12" Dewalt saw, 10" Craftsman table saw, 2 H.P. Craftsman Air Compressor. Craftsman 36" wood lathe, 2 Belt sanders, Portable sander, also Porter Cable sander, Elec. drill ¼ - 3/8th, Stanley Portable Rotor, 3 Paint Spray guns, Bench Vise H.D. Bar Clamps assorted, Torch kit, blower and motor, extensive hand tools, wrenches, saws, heavy work bench, Band Saw, shovels, rakes, hoes, rubber garden hose, wheel barrow

EQUIPMENT: Massey Ferguson, Elec. Start, 12 H.P. Tractor with Roto tiller, Ariens Roto Tiller like new, Sears Vacdm shredder machine, and bagger, Chore master garden tractor, H.D., Floor Jack, Tor Elec. Grass trimmer, elec. hedge trimmer.

ANTIQUES, Bell over 200 yrs. old, 48 pcs. rose point crystal, pink, sherrbet, depression, and coloured glass, crocks, childs old rocker, light weight comfort over 100 yrs. old, wicker rocker, knee hole desk, kitchen cabinet, wall phone radio, 5 kerosene lamps, old milk buckets, 410 Mossburge shot gun, Queen Bess Silver, also set Panama silver, additional silverware.

HOUSEHOLD AND APPLIANCES, G.E. Air conditioner, G.E. Refrigerator, with ice maker, G.E. Micro wave oven like new, G.E. H.D. Dryer, G.E. Auto Washer, Whirlpool AUTO Washer, Gibson Refrigerator, harder Deep Freeze 25 cu. ft., Universal Natural Gas stove, Whirlpool Deep Freeze. Maple matching bedroom suite complete, Walnut bedroom suite complete, Maple drop leaf table, Heavy dinette set with six maple chairs, mahogany end table, walnut chest.

Auctioneers note. Mr. Raymond Garling was a carpenter, and cabinet maker. The shop tools are extensive, and first line equipment.

Auctioneer
Lorne G. Lichty
Penna Lic. and Bonded
Phone 597-3635
"List with Lichty"

PUBLIC SALE
OF REAL ESTATE
(2½ Story Brick House w/Lg. Lot)
ANTIQUES, HOUSEHOLD GOODS & TOOLS
SATURDAY, JUNE 19, 1982
At 10:00
Located at 607 Rockland St., Lancaster, Pa. Across from Lanc. Boys Club.

Real Estate: 2½ story brick semi-detached house w/6 rms. & full bath. (This lg. lot includes lot #607, 609 & 611). Lot size: 63.31' by 148.84' by 64.60' and 147.5'. Property will be open for inspection Sat's., June 5 & 12 from 1 until 3. Real Estate to be sold at 2:00.

Coldspot upright freezer; Kelv. wringer washer; Whote elec. sewing mach. Furn. in oak, maple, walnut, brass, mahg., uph. & metal. Picture frames; rugs; old books; crockery; baskets; agate, tin & iron articles. Milk cans; Little Duch beer bottles; Rayo lamp. Glassware & china in pressed, Occ. Jap., dk. Carnival, pink Dep., lots & lots of other glassware & china not listed. Kitchen articles; bedding & linens; porch furn.; ladders; misc. hand tools, hardware etc. NO OUT OF STATE CHECKS ACCEPTED. Food served.

Sale by
MRS. JAMES S. CUNNINGHAM, SR.
(Ellie H. Cunningham)
James P. Coho, Atty.
Howard Shaub Auctioneer 464-3541
and Roy C. Probst

D. PAUL HARNISH
ESTATE AUCTION
SATURDAY, JUNE 19
Starting at 9:30 A.M.
RD 1, River Corner Road, Conestoga, PA
SALE LOCATION: From Lancaster, PA go South on Prince St. to Rt. 324 New Danville Pike. Go South 6.6 miles on New Danville Pike to Conestoga & turn left at the Post Office onto River Corner Road & go 0.8 mile to property on right. Follow parking directional signs.

REAL ESTATE AT 1.00 P.M. - A DESIRABLE FARM PROPERTY OF 12 ACRES in Conestoga Twp., Lancaster Co., PA containing. 2½ story FRAME VICTORIAN FARMHOUSE - FRAME BARN with four bay, attached Garage, Shed & Implement Shed - NEW 175' WELL. THIS FINE FARM PROPERTY IS IN A PICTURESQUE SETTING & JUST 8 MILES SOUTH OF THE CENTER OF LANCASTER CITY.

FARM IMPLEMENTS - ANTIQUES
PERSONAL PROPERTY

9.30 A M - Farm Implements, Tools & Tractors
10:30 A.M. - 1976 Chevrolet V8 Scottsdale 10 Pickup Truck with Cap, 1970 Ford LTD 4 dr. sedan.
11.00 A M. - Guns & Rifles.
12 00 P.M - Gold & Other Coins
11.00 A M & ON - Antiques & Personal Property Will Be Sold On Catagories Shown Above Decorated China - 6 pc. Floral Dec Wash Set - Glazed Redware Pottery Dog - Pressed Glass - VERY FINE THOMAS DANFORTH III 8" PEWTER BASIN - Wrt Iron Bety Lamp - Shelf Clocks - NUMEROUS ANTIQUE ARTICLES
FURNITURE SOLD FOLLOWING SMALL ARTICLES & FOLLOWING THE REAL ESTATE - Sheraton Chest of Drawers - Federal Walnut Candlestand - School Master's Desk - Plank Seat Chairs & Rocker - Softwood Cupboard & Hanging Corner Cupboard - VICTORIAN FURNITURE Incl. Walnut Sect. Desk with Secret Compartment - OAK FURNITURE - Household Furniture & Household Articles - Elect. Appliances.

PARTIAL LISTING - For the Sale Brochure send your name & address to: Conestoga Auction Co., PO Box 1, Manheim, PA 17545.

SALE BY THE ORDER OF:
D. PAUL HARNISH, ESTATE
Commonwealth National Bank
Executor
William B. Arnold, Attorney
Lancaster, Pa.
WALTER L. BOMBERGER, Jr.
J. DONALD LONGENECKER
Auctioneers
717/898-7284

CONESTOGA AUCTION COMPANY INC

PUBLIC AUCTION

OF VALUABLE REAL ESTATE, JEEP, MOTORCYCLE, FARMALL CUB, FARM MISC. AND PERSONAL PROPERTY, ETC.

SATURDAY, JUNE 12, 1982

AT 10:00 A.M.

Located from Red Lion South on Rt 74 at Godfreys t/l on Brukholder Rd go to New Bridgeville, go straight on Rt. 425 South apx 6 miles property on right. Corner of Rt. 425 and Kline Rd. Sign posted Chanceford Twp , York Co , Pa

1 P.M. REAL ESTATE 1 P.M.

Apx 4 acre Farmete beautiful 2 1/2 story home frame w/alum siding asphalt roof attic for storage 3 bedrm up beautiful large bath up living rm w/stone fireplace dining rm w/modern kitchen 1/2 bath down stairs full bsmt for storage This home is beautiful inside and out barn w/stalls for horse overhead storage 1 car garage and more chain link fence around house & board fence for the horses this is as nice of a farmette you will find For appt call 246-1970 Home will be open for inspection May 15 1982 & June 5 1982 from 10 2 Mortgage assumption possible from York Federal call for details Terms 10% down balance within 45 days other terms given day of sale

JEEP & MOTOR CYCLE

1974 Jeep 4 W D 1/2 ton pick up truck 6 cyl 3 spd 39 000 original miles 1972 Honda 350 CB 13 000 miles w/fairing twin seat new chain new tires & battery and saddle bags Both run good 1957 Buick Roadmaster needs motor

FARM MISC., ETC.

International Farmall Cub has hydraulics and power take off unit Attachments 6 roller water pump 1 1/2 bushel board caster 1 bottom plow 2 section disc hire snow plow 5 ft mower deck flat belt pulley single wheel wagon tire chains Troy 5 H P Rototiller 3 yrs old 7 H P Simplicity riding mower w/new motor and chains Fricks Saw Mill 56 blade w/International Gas V8 power supply N I 20 ft elevator N I feed wagon w/auger N H Hammer Mill belt drive (Good) Hay wagon Steel wagon Jacobson 2 1/4 H P mower 3 H P mower heavy duty electric weed eater small Remington chain saw 2 wheel barrows old tobacco shredder garden seeder misc garden tools auto clay bird thrower 2 camp stoves Sears Best Kenmore portable heavy duty Dishwasher w/power mist and cutting board leather recliner sweeper umbrella for picnic table small fire proof box lawn chairs 8 track tape case animal cage for traveling old table drill press old rope fed upright freezer ref rabbit pen hog fence small dinner bell large house type hot water or steam boiler (new & never used) some items on wagon sold first plus much much more please come early

by

BRADLEY W. & CHRISTINE M. LUDWIG

Bradley K. Smith,
Auctioneer 244-6324

Terms: Cash or Good Check
Not Responsible For Accidents On Day of Sale

PUBLIC BANKRUPTCY AUCTION

VALUABLE REAL ESTATE AND FARM EQUIPMENT

FRIDAY, JUNE 11, 1982

10:00 A.M.

Located in Drumore Twp. Lanc. Co., Pa. from Lancaster use Rt. 272 one mile South of The Buck turn right on Silver Spring Road take a left on Susquahannock Drive to Furniss Road continue app. ½ mile, farm is on right.

Real Estate to be offered at 10 a.m. consists of gentleman's type farm consisting of 20 acres M/L thereon erected a 2½ story 5 bedroom dwelling with bath, living room, dining room, kitchen, sunporch, laundry, oil fired hot water heat system, also 3 car garage, bank barn, hog house, steer feeding barn, 6 corn storage cribs. This farm is right in the heart of the goose hunting area for the sportsmen. You will be able to experience real quiet country living, come take a look. May 29th 1:00 P.M. to 4:00 P.M. Real estate to be offered at 10:00 A.M. the following list of farm machinery will be offered immediately after the farm & J.D 1520 gasoline powered tractor with #37 loader, J.D. 703 Diesel with 2 row mounted New Idea Cornpicker, J.D. 14T Baler, J.D. 480 Haybine, J.D. 28 Disc Harrow, I.H.C. 56 4 row Corn Planter with Fertilizer and Insecticide Boxes, New Holland 352 Grinder Mixer, Badger 1000 gal. Vac. Spreader, New Idea Hayrake, Brillion transport Spring Harrow. 2 rubber tire wagons, 24 raised deck farrowing pens, "New" 60' tube ventilation system, 10 L.P. gas brooders, 9' cultipacker, 400 bales straw, 600 bales hay.

Sale by

BARRY A. SOLODKY, Atty.
Trustee
RE: Wilbur C. Huss
Eileen M. Huss
Case # 8200852T

E.M. Murry Associates
287 Lime Rock Road
Lititz, PA 17543
Elmer Murry 626 5244 626 2636
Richard Murry 626 8175 949 2280
Ken Miller 665 2073
Professional Auctioneers
Appraisers and Advisors
Since 1953

SAMUEL FLICKSTEIN AUCTION CO.

222 GSB Building—One Belmont Avenue
Bala-Cynwyd, Pa 19004 • 667 5566

PUBLIC AUCTION SALE

By order of the SMALL BUSINESS ADMINISTRATION (an agency of the U S Government) as Owners

VALUABLE REAL ESTATE
USED AS A MUSHROOM OPERATION
(Former property of Delbert C & Blanche E Atwood) To Be Sold on the Premises

Grays Mill Road (AKA McCordy Rd T 303)
EAST NOTTINGHAM TOWNSHIP
CHESTER COUNTY, PENNSYLVANIA

SATURDAY JUNE 12, 1982

AT 11 A M

The subject site is a rectangular tract of land level topography having 565 ft frontage on Grays Mill Road (AKA McCordy Road T 303) with a depth of 515 ft The tract contains approximately 6 67 acres more or less and is located in East Nottingham Township Chester County Pennsylvania Improvements include a 5 room and bath single story residence with partial basement and porch area Oil fired hot air heat private well water septic sewage system & electric service

Directions Route 1 to Route 272 South (Nottingham) approx 3 Miles to Right on McCordy Rd ½ Mile to Sale Site

REQUEST CIRCULAR

TERMS- 15% Deposit by CASH or CERTIFIED CHECKS AT TIME OF SALE — 30 Day Settlement Purchaser to Pay All Transfer Taxes — 1% Broker Participation Invited — Your Client Must Be Registered 3 Days Prior to Sale — Attend The Sale and Assist In The Bidding

SALE SUBJECT TO CONFIRMATION BY THE S B A

PUBLIC AUCTION

Ernest L. (Sponnie) Sponseller Estate
VALUABLE REAL ESTATE
HARNESS - HOUSEHOLD - TOOLS - TRUCK

SATURDAY, JUNE 12, 1982

At 9:30 A.M.

The undersigned will offer at public auction at the site of the Real Estate, located 1½ miles West of New Oxford, Pa. along Rou'e 30 the following Real and Personal property:

REAL ESTATE (Will be offered at 1:30 P.M.)

Tract of land having 284.5 feet fronting on Route 30 consisting of 3.40 acres in Mt. Pleasant Township, Adams County, Penna. improved with a 12' by 70' Homette Mobile home with an attached 40' by 8' porch. Home has 2 bedrooms, bath, kitchen and carpeted living room. There are two wood frame utility sheds and fenced in pasture. If looking for a country setting, this property desires your attention.

Personal Property: 1971 F100 Ford pick-up truck w/360 engine, 4 speed transmission, good rubber, one owner with 61,000 actual miles; Dynamark 8 H.P. tractor w/36 inch mower deck, Sentry 22 inch rotary mower, 4 ft. lawn roller, 2 nice small 4-wheel wagons with single and double shafts, 2 wheel training cart, nice racing sulky, extra buggy shafts, wooden wagon tongues, 2 nice pony saddles, horse saddle, large lots of pony and horse briddles, driving harness, collars, hames, bits, halters, tie ropes, wagon seats, double and single trees, air compressor w/½ H.P. motor, wooden wheel-barrow, shovel plow, covering plow, 7 tooth cultivator, 2 section peg harrow, small metal wheel trailer, large lot of forks of all sizes, shovels, picks, digging irons, large lot of hammers, wrenches, wagon jacks, chains, binders, carpenter tools, horse shoeing tools, wire stretchers, buggy wrenches, saddle blankets, horse blankets and other numerous items.

18 sheep: 1 ram, 10 ewes, 7 lambs to be sold as lot; metal water trough, 3 corner stall feeders, 2 - 6 ft chain link gates, wire fence, 18 ft. metal van truck bed.

Household: Nice Sears Kenmore wringer washer w/pump, recliner chair, 2 platform rockers, 3 wooden rockers, 2 porch rockers, lawn and misc. chairs, 2 floor lamps, coffee and end tables, metal clothes tree, metal utility cabinet, single barrel 410 shot gun, several horse pictures, wash tubs, wooden canes and crutches. Note: Mr. Sponseller, having been a former horse dealer, has all harnesses, saddles, horse and pony equipment kept in excellent condition.

Inspection of Real Estate - call 717-624-8600

Terms: Real Estate 10% down at time of sale - Balance 30 days Personal Property - Cash or approved check

Lunch Stand at Sale

ERNEST L. SPONSELLER ESTATE
Shirley S. Myers, Executrix
Dennis J. Plunkert, Auctioneer
R.D. 2, Littlestown, Pa. 717-359-4489
Pyle and Phillips, Attorneys

Public Sales Register

Closing Date Monday 5 00 P M
of each week s publication

JUNE

SAT JUNE 5 10 A M Special Purebred Heifer Sale at New Holland Sales Stables Inc. 12 Miles East of Lancaster Pa just off Rt 23 New Holland Pa Abe Diffenbach Manager

SAT JUNE 5 9 A M Public Sale of Antiques, Real Estate and Blacksmith Tools Located along Rt 23 in the village of Blue Ball Richard Hoernlen Owner Nevin Martin and Lewis Groff Auctioneers

SAT JUNE 5 2 P M Public Sale of Sheep Located at Allentown Fairgrounds 1982 PA Sheep Field Day Program 814 238 2527

SAT JUNE 5 1 P M Public Sale of Farm Farmhouse Garage Barn and Shed Located from Rt 422 Douglassville go north on Rt 662 to intersection of Rt 562 Cross over 562, bear right onto Covered Bridge Rd go ½ mi to property on right Geyer Girvin Auction Co Inc

PUBLIC AUCTION

OF ANTIQUES, FURNITURE, ORIENTAL RUGS, GLASS, CHINA, SILVER & JEWELRY FROM SEVERAL LOCAL ESTATES, ETC.,

SATURDAY, JUNE 12

At 11:00 A.M.

Antique English Grandfather's Clock, Empire Sofa (Phila 1830), Victorian Chairs, Korean Cabinet, Antique Blanket Chest, Tea Cart & 18th Century Tripod Table w/Bird Cage, First Edition Novels, Church Bench, Antique Corner Sofa w/Box Seat, 2 Shaving Stands, Solid Wood & Cane Back & Seat Rockers, Cottage Chest, Cane Sided Day Bed, Armoire, Oak Chest, Victorian Walnut Side Chairs, Tilt Top Tables, Wing Back Chairs, Gilt Frame Mirrors, Modern Teak Wood Dining Room Table, Chairs & Sideboard, 6 Bedroom Sets of Furniture (Antique & Traditional), Country Kitchen Cabinet w/Porcelain Top, Lamps, Tables, Various Chairs, Sofas, Settees, Bookcases, Etc

Semi-Antique & New Oriental Rugs, Bokara red field rug from Iran 18'2"x12'4" Other rugs from throw to room size; Tabriz, Kashan, Bijar, Chinese, Saraband, Etc.

Carved wood case, upright piano & stool, Rosewood music cabinet, lots of good Oak Furniture to include Round Table w/claw feet, 6 dining Chairs, Server, Buffet, Double Drop Leaf Table, Library Table, 3, 4, & 5 Drawer Chests, Wash Stand, Dresers, Bed (all fine Oak) half spindle back Chairs, Victorian side Chairs, Glass & China Oil & coverted Lamps, Needlepoint Foot Stools, Mantle Clock, Etc.

China, Silver, Glass & Jewelry to include milk glass and old oil lamps, Canton Bowl, Majolica, Cut Glass, Gold Band Goblets, Tiffany Type Lamp & Shade Bisque figurines, Imari, Vanity Fair 1896 Book, Pewter, Silver Plate, Sterling, Limoges, China, Delft, Sterling Jewelry, 14 & 18 Kt. Gold Rings & Chains, Pocket Watch, Baccarat Goblets, some signed glasware, Wedgewood, Cranberry, Satin Glass and much, much more

Inspection morning of sale only, from 9 a.m.

Lunch

Harry Rudnick & Sons, Inc
Sales Managers & Auctioneers
Galena, Maryland
Phone: 301-648-5601

Sale Reports

A public auction of farm machinery was held May 29 by Mr and Mrs "Pat" Berhman, Mattison Road, outside Branchville, N J People attended from 5 states

Some items sold were N H 68 baler $1,075, hay wagons $200 to $800 each, J D 2020 tractor $4,750, 3-bottom plow $240, 2-bottom plow $175, N H side-delivery rake $925, Grimm tedder rake $900, "Arnold Palmer" 1932 Toro golf course tractor $575, 1914 Reo auto $5,600, 1915 Model T roadster $5,800, child's push sleigh $250, and cutter sleigh $300

Sale conducted by Castner Estate Service, Inc

xxx

A public auction of items from the Hill School was held May 29 at the corner a Green & High Sts , at the former Pottstown Auto Body Shop

Prices included Southbend metal lathe $470, 1955 Chev flat bed truck $155, bundles of 12 pcs. silver-monogramed Hill School $5 to $8 each, used oak & maple desks $7 to $12 each, 20 pcs china $8 to $9 per pile, miscl hardware $7 to $8 per box and long oak hall racks $7 to $20 each

Ken Moyer was the auctioneer

xxx

An auction of the Weber Estate, Criton and others was held May 26 at the Stephenson Auction Gallery, 1005 Industrial Boulevard, Southampton, Bucks Co

Some prices were. Ball & Claw Partners desk $1,250, 6'6" centennial chest on chest $1,300, 45" Satsuma Palace vases $1,900 each, Galle vase (Cameo) $900, bronze elephant w/ivory tusks $1,450, oil painting by John Martin Howett $350, federal banquet table w/Acanthus carvings $1,025 and bronze statue signed E Robert $675

Richard W Stephenson was the auctioneer

NEXT

CONSIGNMENT AUCTION

MONDAY, JUNE 7, 1982

9:30 A.M.

★ Usual Run of Tractors, Machinery & Construction

★ Absolute Auction Items: M.F. 285 w/800 Hours-Like New

WE ACCEPT CONSIGNMENT ANYTIME

N.I. 10 Ton Tandem Spreader- Excellent

(2) Nice Flat Wagons-Etc., Etc.

Tractors sell at approximately 2:30 followed by construction

WENGER'S FARM MACHINERY, INC.

251 S. Race Street, Myerstown, PA 17067
717-866-2135

Public Sales Register

Closing Date - Monday, 5 00 P M of each week's publication

SAT JUNE 5 9 30 A M Consignment Auction Located at Penns Cave, Centre Hall, PA Nittany Antique Machinery Assn Inc 814 364-1872 814 237 3141

SAT JUNE 5 9 30 A M Public Sale of Real Estate, Antiques, Guns, Housheold Goods, Money, Coins, Lawn Tractor, Farm Machinery, Tools and Safe Located on Rt 34, Perry Co, between Shermansdale and New Bloomfield, ½ mi south of Hecks Corner, next to Kitner Bros Contractors, Daniel J Kitner, Sr Estate Kling's Auction Service

SAT JUNE 5 9 30 A M Public Sale of Mill Contents Located in Lewistown, PA, approx 3 blocks west from Walnut St, exit off Rt 322 Old Shellenberg Planing Mill Mark Glick, Auctioneer

SAT JUNE 5 - 9 A M Public Sale of Woodworking Equipment, Lumber, Office Equipment, and Home and Hardware Store Items Located in Lancaster Co just east of Blue Ball near intersection of Rt 23 and 322 Turn south off Rt 322 Earl Rd to auction Commonwealth National Bank, Small Business Administration Kerry Pae Auctioneers

SAT JUNE 5 - 11 A M Public Sale of Morgans Located at Crabapple Valley Farms, Box 143, Wilmot, OH 44689 Peg Brown 717 273 3016

SAT JUNE 5 - 10 A M Public Sale of Antiques and Shop Equipment, Hand Tools, Lumber and Misc Garage Articles Located along Street Rd, R D 2, Holtwood Lancaster Co, PA, near Holtwood Recreation Area, from the Buck take Rt 372 about 5 mi west of River Rd and turn right to Holtwood Rd, turn left to Street Rd Mrs Lester Immel, Owner Howard Shaub and Roy C Probst Auctioneers

SAT JUNE 5 10 A M Public Sale of Household Articles, Tractors, Equipment and Trucks Located 4 mi south of Boonsboro, MD, on Rt 67 at Locust Grove or 7 mi north of Rt 340 on Rt 67 Robert Bloyer, Owner Edgar A Bohrer, Auctioneer

SAT JUNE 5 9 A M Public Sale of Farm Machinery and Dairy Equipment Located 2 mi northwest of Beavertown, PA, turn at Yeter's Chevrolet Garage, then turn left at next black top road Anna M Boyer, Owner Dave Brown, Auctioneer

SAT JUNE 5 9 30 P M Public Sale of Farm Machinery, Tractors, Chickens and Hogs Located at Mason Bros Rt 579, Ringoes, NJ, 4 mi north of Ringoes along Rt 579, from Flemington take Rt 523 south for 4 mi to Rt 579, turn left Col John P Kachmar, Auctioneer

SAT JUNE 5 10 A M Public Sale of Old Country Store Contents Located at Boyd's Store, 2620 Dublin Rd, Street, MD 8 mi north of Bel Air, MD and 7 mi south of Delta PA at the intersection of MD Rt 440, Dublin Rd and MD Rt 543, Ady Rd Cecelia Hamilton, Owner J H O'Neill, Auctioneer

MON JUNE 7 9 30 A M Consignment Sale Located at S Race St, Myerstown, Pa 17067 Sale held by Wengers Farm Machinery, Inc

MON JUNE 7 5 P M Public Sale of Antiques, Tools and Collectables Located along Ridge Rd, ¼ mi northeast of Black Horse, Rt 1, Reinholds, PA Mahlon Keith, Owner H H Leid Auction Service

TUES JUNE 8 5 P M Public Sale of Tools and Small Equipment Located between Morgantown and Honey Brook, follow Rt 10 to Twin County Restaurant take Skirktown Rd approx ½ mi to Chestnut Oak Rd, turn left to sale Gladys E Spade, Owner, Elton and Alvin Horning, Auctioneers

ABSOLUTE AUCTION

123 AC. OLEY VALLEY FARM

STONE FARMHOUSE GARAGE BARN SHED

Covered Bridge Road Oley Twp Berks Co Offered in 3 Parcels Combinations or Entirety

SATURDAY, JUNE 5 - 1 P.M.

Parcel A - 14+ Acres A fine 18th Century pointed stone Farmhouse authentically restored The many carefully preserved architectural details of the home include chair rails original wide pine floors open beams paned windows & early hardware throughout Featuring wide center hall double livingroom corner fireplaces built in cupboards Master Bedroom Suite w/Bath 2 Bedrms & Bath Full Basement w/panelled Den & walk in Fireplace Workshop Cold Cellar Laundry Rm Large Stone Patio & Side Porch 2 car storage Garage stone Bank Barn Wagon Shed w/corn cribs House & outbuildings all in excellent condition

Parcel B - 11 Acres Parcel C 98+ Acres The Tillable cultivated fields are well drained & gently sloping The soil is the highly fertile & excellent farmland for which the Oley Valley is renowned AN IDEAL HORSE FARM

TERMS 15% Deposit. Settlement within 60 Days. ABSOLUTE No minimum or starting price Broker participation Invited

SALE LOCATION On the premises From Rt 422 Douglassville go North on Rt 662 to intersection of Rt 562 Cross over 562 bear Right onto Covered Bridge Rd go ½ mi to property on right

For Info/Brochure Call

GEYER-GIRVIN AUCTION Co. Inc.

661 West Germantown Pike Plymouth Meeting, Pa 19462

215/631-5333 (Pottstown) 326-3856

MEMBER - NATIONAL AUCTIONEERS ASSOCIATION

ESTATE AUCTION

ANTIQUES, FURNISHINGS, TOOLS
OBSOLETE EQUIP. & MACH.
THURSDAY, JUNE 10, 1982
10 A.M.

Along Rt. 401, just West of Rt. 113 at the Historic O.E. Collins grist and saw mill. Last location of the Anselma Post Office.

Fine, small dovtailed 4 door cupboard w/drawers at mix section - sometimes referred to as "Montgomery Co. Cupboard" - original unrestored condition. Round drop leaf table w/rope turned legs. Genuine Hoosier kitchen cabinet w/tambour door and accounterments - used daily Grained enamel Estate Parlor heatrola. Victorian parlor table. Glass front bookcase. Depression era 3 panel mirror w/ships. Tall green Kerosene lamp. Wood tubs. Cherry splay leg stand. Two oak dressers w/mirrors. Oak take apart wardrobe. Oak wash stand w/towel bar. Round top trunk Oak rocker, O.G. mirror, wash stand w/side bars. Three dovetailed blanket chests incl. a nice small pine one. Oak commode, tall oak chest, Morris chair. Edison Gem Cylinder record player w/records.

The nicest assortment of vintage tools we've had for awhile. Hand tools sold 10 a.m Starrett dial indicator and inside mic. 4" belt sander, hedge trimmer, double headed grinder on pedestal. 24" Jigsaw, 3 wood lathes, Bench belt sander, Rip saw and cut off saw mounted together. Router w/dovetail jig as new. Stanley No. 48 and No. 53 planes. 2 Sargent planes Brass bound rules. Augers hammers and chisels. Dietz Eureka lamp, antique auto spot light. Air compressor on buggy. Vises, collection of hand saws, many more unlisted tools. CUB CADET HYDRO 147 yard and garden tractor. Gravely 2 wheel tractor w/30" Rotary mower, sickle bar, snow blade and sulky. Amerind Mac Kissic Mighty Mac leaf shredder as new Antique Standard 2 wheel garden tractor along w/some home built jobs. Sears 2 wheel garden tractor w/sickle bar. Milwaukee Roto tiller, cooper rotary lawn mower. As Mr. Collins was a sawyer, we have some related equipment — 12" Belsaw planer w/Wisconsin motor. Two cord wood saws. 2 cyl. Combine power unit. Lg. floor type screw press. 4x12" iron pulley, horse drawn scoop & hoe harrow. Portable water pump. Door lock mortising machine. Post boring machine.

Pumps for Paul water systems. Hand water pumps for water wagon Pump and pump jack. 1918 Maxwell trailer, Brockway Rear, steel wagon wheels, seat. Considerable amount of lumber to look at 12 ga. single barrel stevens, old percussion gun, Knickerbocker shot gun, 22 Rifle. Antique singer, Binoculars, Derry flower seed box, Cottage Segar box, baskets, Kimberton lard can. Spouge milk pitcher, Fostoria, sewing stuff, glass basket, Agate milk pail, 1921 Ruby Reading Fair basket, Green depression sherberts. TWO WEDDING RINGS, ONE HAVING DIAMONDS. Appliances incl. Maytag w/stainless tub, Esco deep freeze, Whirlpool ultra violet dryer. Stools, press back chairs, color T.V., portable T.V., old radios Crocks, iron & tin & wood utensils. Crewel pictures, linens, and fancy work "Squeeze Box", old books, 2 cider barrels, early Oliver typewriter, Early radio speaker, old pictures and frames, antique flash lights, antique pencil sharpener. Books magazines and machinery catalogs 40' aluminum ext ladder, Folding roof ladder, other ladders.

REFRESHMENTS **FIELD PARKING**

ESTATE OF OLIVER E. COLLINS

Ted Maurer, Auctioneer
Pottstown, PA 323-1573
Gilbertsville 367-5024

OUTSTANDING PUBLIC SALE

ANTIQUES, HOUSEHOLD GOODS & TOOLS
SATURDAY, JUNE 12
At 9:00 A.M.

From the home of Claude W. Thompson Located approx. 2 miles north of Stewartstown, just off Rt. 24 along Thompson Rd., in York Co., PA.

ANTIQUE FURNITURE & COLLECTABLES

2 pc. corner cupboard w/org. finish; lg. bench table w/2-18½" boards top; 5 pc. parlor suite; 3 pc. oak dining room suite w/lg. sq. china closet, round table & matching buffet; oak 5 leg ext. table w/boards; Becker Bros. upright grand piano; ball & claw piano stool; oak ice box; lg. woodbox in mint cond. & dove tailed; pie safe w/original tins; lg. oak ornate desk; cherry drop leaf table; lg. very ornate buffet w/beveled glass mirror; beautiful ornate wicker rocker; 3 pc. oak B.R. suite w/high unblemished bed, dresser & washstand w/oak leaves & carved acorns; nice odd oak dressers & washstands; dry sink; painted kitchen cabinet; slant top desk; dove tail blanket chests w/tills; 3 clothes trees; oak stands; lg. gold leaf mirror, sm. roll top desk & chair; Domestic treadle sewing machine; night stands w/towel bars; drying racks; 3 pc. cane seat chairs & rocker set; plank bottom chairs; st. bk. chairs; brass bed; cupboard top; dressing screen frame; picture easels; trunks; picture frames; wicker fernery's; wicker porch rocker; very ornate high standing parlor stove w/nickle trim; oak frame mirrors; cedar chest & cedar lined wardrobes; pineapple poster bed; nice vanity w/lg. mirrors; many butterfly frames, Empire chest of drawers; Gov. Winthrop B & C foot secretary w/bookcase; fake marble top stand; smoking stand; magazine racks; ornate walnut mantle clock; Duncan Phyfe drop leaf pedestal table; what-not shelves; 2 nice needlepoint chairs; raised end couch; old porch rockers; benches; book shelves; 2 old violins; kerosene heater, etc.

ANTIQUE DISHES, GLASSWARE, ETC.

Beautiful 7 pc. pitcher & washbowl set w/slop jar; 6 pc. milk glass dresser set; brass rayolite w/green shade; red satin glass, Gone-With-the-Wind lamp; old very pretty 5 lite chandelier; lot of beautiful Nippon plates & dishes; butterfly pattern cake set; nut sets; creamers, sugars; Noritake china; pattern & pressed glass; carnival dishes & bowls; etched stemware; candlewick pattern fostoria; tea leaf iron stone platter; mustache cups; 1910 Geo. Trout plate; some fiesta pcs; church plates; depression glass; old jewelry; st. razors; eye glasses; kerosene lamps, crocks; jugs; jardeniers; 12 place set of Gorham silverplate flatware, very nice; asst. of store & other baskets; iron bull dogs; butter churn; old school books; majolica type umbrella stand; doilies; needlework; sewing basket; slaw cutter; skillets; griddles & many items not mentioned.

HOUSEHOLD GOODS, TOOLS & GUNS

G.E. side-by-side refrigerator freezer, like new, Westinghouse upright freezer; G.E. autowasher & matching dryer, like new; combination wood or coal & electric stove; 7 pc. dinette set, 2 iron beds, metal cabinets & wardrobe, platform rocker, lawn chairs; floor & table lamps, Westinghouse electric roaster on stand; Admiral color TV; pool table, flower stands, dishes, pots, pans, linens, bedding; 12 ga. D.B. hammer type shot gun; Remington 22 cal pump rifle.

A.C. model B tractor, M.F. 7 HP lawn & garden tractor w/rotary 36" mower, 2 hole corn sheller, platform scales, 2 wheel trailer; horse drawn mower, shovel plow; cultivator; bench vise, wall drill press; power mowers, wooden wheel barrow; old sail boat, iron kettle, milk can, hay pulleys; rope, kicker hay tedder, asst of hand tools of all descriptions.

Sale Order Tools & tractors, sm. antique & household articles Furniture at 1 00 China & glassware until all is sold. Please don't miss this fine antique sale.

Owner
CLAUDE W. THOMPSON
R.D. 3
Stewartstown, PA
Robert L. Sechrist, Auctioneer
Ph. 717-382-4379
Andersons, Clerks

Refreshment Rights Reserved
Not Responsible for Accidents

PUBLIC AUCTION

TRUCKS AND FARM MACHINERY
ABSOLUTE AUCTION
ON THURSDAY, JUNE 24
At 1 P.M. Sharp

At R.D. #1, Windsor, Penna. along Taylor Road in Lower Windsor Twp. in York County. The undersigned will sell at absolute auction the following -

TRUCKS & FARM MACHINERY

1960 International B160 Truck grain body, 1969 International 1300 truck grain body, 1974 M. Ferguson 510 combine 2 hd., C&G, 1966 J. Deere 2510 tractor, 1975 J. Deere 8250 drill, J. Deere 24T baler, 1974 Bush Hog 1438 disc, 1977 Brillion M148 cultimulcher, 1975 Bush Hog 160 rotary cutter, New Idea 311 corn picker, Lely M15 Tank spreader, New Idea M12A spreader, 1970 J & M Bin & Wagon, 1971 flat bed wagon 18', 14' flat bed wagon, 1971 Walsh sprayer, corn/hay conveyor, hay rake, J. Deere 4 bottom 14" plow, 3 cultivators, J. Deere 4020 tractor, J. Deere 7' snow plow, J. Deere 2 row corn planter, 1979 J. Deere 1440 corn planter 4 row, no till, J. Deere 5B plow, Lely 1250 fertilizer sprader. SPECIAL NOTE. If on the market for trucks and machinery, be sure to attend this sale. No small items, so please be on time. Positively an absolute auction. Items can be inspected most anytime. Taylor Road is located off road between Martinsville & East Prospect-York Road.

Refreshments available.

TERMS: Cash, Certified or Cashiers Checks. No personal checks unless approved by auctioneer.

PAUL A. STOUGH
Jacob A. Gilbert, Auctioneer
Phone 252-3591

PUBLIC AUCTION

OF FARM MACHINERY, CAMPER, CAR, GUNS, ETC.
OF THE LATE WILLIAM E. FREY SR.
SATURDAY JUNE 19, 1982
AT 9:30 A.M.

Located South of Red Lion on Rt. 24 towards Winterstown apx. 4 miles turn left at Red Lion Auto Salvage sign, go to first road to left, first farm on left. Sign posted.

FARM MACHINERY

Massey Ferguson 35 live P.T.O. power steering low hrs., A1, H. Farmall Good All Around, Oliver 2 bottom 14" plow 3 P.H., 2 row 3 P.H. worker, big new red 5 bushel fertilizer spreader, 3 P.H., M.F. 7 ft. cycle bar mower 3 P.H. A1, New Idea Manure Spreader, Smoker 24 ft. Hay & Corn Elevator w/corn shut, Black Hawk 13 disk drill, old hoe drill, 2 hay tedders, David Bradley side delivery rake, rubber tire farm wagon, Sears SS 14 8 speed Riding Mower Good, pick up bed utility trailer, antique 2 wheel run about, antique 4 wheel pleasure buggie (fair), some harnes etc., 11x28 tractor tire chains, J.D. 7 ft. disk harrow pull type Good, 2 section & 3 section Spring harrow, 2 horse & 1 pony saddles, needs work, some lumber, elect. fence charger, hand pump for well, butter churn, new floor jack, 5 H.P. Briggs & Stratton motor, 6x6x12 chain link fence dog kennel, plus more. Also the usual misc. on the wagon.

CAR

1970 V.W. Beatle Inspected, runs good, apx. 80,000 miles (one owner).

FAN 19 FT.
SELF CONTAINED CAMPER

Camper total self contained elect. or gas. Full bath, ref., stove, the works, Good Condition.

GUNS

Remington Model 572 field master 22 light weight pump, Winchester Peters 410 single barrel, Remington Model 870 16 gauge wing master pump, Sauage 222 and 20 gauge over under Model 24V Series D with Leopold 3X scope, Mossberg Model 320B 22 single shot, Winchester 308 Lever Action with Baush and Lomb Scope, H&R 9 shot 22 pistol, 1 Gun Carrying Case, Please Come Early.

TERMS: Cash or Good Check
Not Responsible For Accidents On Day Of Sale

by MARY I. FREY

Bradley K. Smith
Auctioneer 244-6324

Public Sales Register

Closing Date - Monday, 5 00 P M of each week's publication

TUES JUNE 8 5 30 P M Farmersville Auction In Farmersville, 3 mi East of Brownstown, Lancaster County, Pa John J Rutt, Auctioneer

THURS JUNE 10 11 A M Public Sale of Cattle Located at the Guernsey Sale Pavilion 5 mi east of Lancaster PA on Rt U S 30 Walter and JoAnn Drummond, Owner R Austin Backus Auc tioneer

THURS JUNE 10 10 A M Public Sale of Antiques, Furnishings Tools, Obsolete Equipment and Machinery Located along Rt 401, just west of 113 at the Historic O E Collins Grist and Saw Mill Ted Maurer Auctioneer

THURS JUNE 10 5 30 P M Public Sale of Vehicles and Surplus School Items Located at the Berks Vo Tech West Center ½ mi west off Rt 183 at traffic signal 2½ mi north of Reading Air port Bern Twp/ Berks Co Berks Vocational Technical School Owners Frey Auctioneers

FRI JUNE 11 5 30 P M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market cross RR bridge Ira Stoltzfus & Son Auctioneers

FRI JUNE 11 7 30 P M Public Sale of Feeder Pig and Feeder Cattle Located at Penns Valley Livestock Auction Centre Hall PA 814 364 9096

FRI JUNE 11 10 A M Public Sale of Real Estate and Farm Equipment Located in Drumore Twp Lanc Co PA from Lan caster use Rt 272, 1 mi south of the Buck, turn right on Silver Spring Rd take a left on Susquehan na Dr to Furniss Rd con tinue approx ½ mi farm is on right Wilbur and Eileen Huss E M Murry Auctioneers

SAT JUNE 12 10 A M Public Sale of Antiques Household Goods Guns and Pool Table Located along Street Rd R D 2 Holtwood Lancaster Co PA near Holtwood Recreation Area from the Buck take Rt 372 about 5 mi west to River Rd and turn right to Holtwood RD turn left to Street Rd Mrs Lester Im mel Owner Howard Shaub and Roy C Probst Auctioneers

TUES JUNE 15 1 P M Public Sale of Com mercial Residential Pro perty Located in front of the Court House in Hagerstown MD Robert Mullendore Auctioneer

WED JUNE 16 9 A M Consignment Sale by David H Good located 1 mile North of Route 23 on North Maple Ave in Leola Lancaster Co PA Watch for sale signs F Snyder R Martin C Wolgemuth J Fry and L Horst Auctioneer

THURS JUNE 17 10 A M Liquidation Sale Located on the north side of U S Rt 22 approx 5 mi west of Huntingdon PA Wishard Trucking Owner Vilsmeier Auction Co

FRI JUNE 18 5 30 P M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41 Lancaster Turkey Hill Minit Market cross RR bridge Ira Stoltzfus & Son Auctioneers

FRI JUNE 18 6 30 P M Consignment Sale of Cat tle and Feeder Pigs Keister s Middleburg Auc tion Sales Inc Rt 522 3 miles East of Middleburg 5 miles West of Selin sgrove Pa Don & Walt Keister Owners Ray Long & Dave Imes Auc tioneers

FRI JUNE 18 7 30 P M Public Sale of Horses Located at Penns Valley Livestock Auction Centre Hall PA 814 364 9096

SAT JUNE 19 10 A M Public Sale of Real Estate Antiques Household Goods and Tools Located at 607 Rockland St Lan caster PA across from Lancaster Boys Club Mrs James S Cunningham Sr Owner Howard Shaub and Roy C Probst Auctioneers

SAT JUNE 19 9 A M Public Sale of Real Estate Shop Tools Equipment Antiques Household and Appliances Located at 552 N Allison St Greencastle PA Raymond and Catherine Garling Owners Lorne G Lichty Auctioneer

SAT JUNE 19 10 A M Public Sale of Real Estate Antiques Household Goods and Tools Located along Freemansville Rd just off of 625 5 mi south of Reading Berks Co PA C Lynn Rossman Owner Paul W and LeRoy S Horst Auctioneers

JUNE 19 11 30 A M Auction in Adams Co 104 A Farm and Equipment located on Rt 194 1 mile N of Rt 30 Abbottstown Pa Owners Jacob and Verna Rohrer Carl Diller Auctioneer

SAT JUNE 19 9 30 A M Public Sale of Farm Machinery Camper Car Guns and Etc Located south of Red Lion on Rt 24 towards Winterstown approx 4 mi turn left at Red Lion Auto Salvage sign go to first road to left 1st farm on left Mary I Frey Owner Bradley K Smith Auctioneer

SAT JUNE 19 9 30 A M Public Sale of Real Estate Farm Implements Anti ques and Personal Pro perty Located from Lan caster PA go south on Prince St to Rt 324 New Danville Pike go south 6 6 mi on New Danville Pike to Conestoga and turn left at the Post Office onto River Corner Rd and go 8 mi to property on right D Paul Harnish Estate Walter L Bomberger Jr and J Donald Longenecker Auctioneers

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BROOKS END AND PAR-KAY FARMS

SIXTY-FOURTH ANNUAL SUMMER SALE

FRIDAY, JUNE 25

1:00 P.M.

At the Farm • Beavertown, Pa.

Greenback 3044, one of our foundation Irish Yorkshire Sows.

250 head of SCOTCH & IRISH and other foreign bloodlines

- **New Bloodlines on Each Sale**

YORKSHIRE — LANDRACE

Born and raised on our farms from our parent imported stock

100 ☆ BRED GILTS - most of which carry Scotch or Foreign Blood Litters:
50 ☆ YORKSHIRE - Many carry Scotch litters.
50 ☆ LANDRACE - Many carry Scotch or Foreign Blood Litters.
50 ☆ BOARS.
40 YORKSHIRE - New Scotch Bloodlines as well as Irish and American Bloodlines.
10 LANDRACE - All 100% SCOTCH, IRISH or other foreign blood.
100 ☆ Commercial Open Gilts - Mostly Irish & Scotch blood. Scan-O-Probe Loin Eye & Back fat figures. Production tested - Certified Meat Proven & Show Ring Champion Stocks.

CERTIFIED BRUCELOSIS FREE & PSEUDORABIES FREE.
Health Charts Sale Day For Entry Into Any State.

BIG 1981 WINNERS
BROOKS END FARM WINS PA. TEST STATION WITH YORKSHIRE BOARS SIRED BY OUR IRISH LARGE WHITE "DANNY"

Feed Conversion	2.32
Daily Gain	2.17
Ham-loin %	64.2
Pen Index	143

PAR-KAY FARMS HAD THE 2nd PLACE PEN OF YORKSHIRE BOARS SIRED BY "WINSTON"

Feed Conversion	2.54
Daily Gain	1.95
Ham-loin %	63.9

This all means more pounds of pork for less pounds of feed. We profit on the sales end and we profit on the cost end.

2 MORE BIG WINNERS IN 1981

Par-Kay Farms had the champion barrow on the rail and Brooks End Farm had the Reserve Champion barrow on the rail at the August Penna. State Yorkshire Show.

Owners:
RENO & PARK THOMAS & MARK STEHR

RENO 717-658-5821 717-658-7304
PARK 717-658-6544 717-658-6702
MARK 717-658-7007

Catalogs Available
Mike Jones, LaGrange, GA. Auctioneer

PUBLIC AUCTION

of Farm Equipment
Trucks, Chicken Equipment
Bake Shop & Restaurant Equipment

SATURDAY, JUNE 26

at 10:00 A.M.

LOCATION: Located along Hilltop Drive, 2 miles south of the village of Conestoga. Follow the New Danville Pike from Lancaster to Conestoga. Turn left at Post Office in Conestoga onto River Corner Road. Turn left onto Hilltop Drive.

FARM EQUIP.. 8 N Ford Tractor (Overhauled 2 yrs.), WD-45 Allis Chalmers Tractor (with Powersteering), 3 pt. Single Bottom Plow, 3 pt Single Row Cultivator, 3 pt. 5 ft. Rotary Mower, 3 pt. Gannon Yardmaker, 3 pt. Stone Rake, 3 pt Boom Pole, Gehl Feed Wagon, Int. PTO Corn Binder, Flat Bed Wagon, (2) John Deere 1 Row Corn Planters (1 complete), Int. 24 Disc Harrow, Spring Harrow, Wiard Walking Plow, Walking Cultivator, 1 Seat Open Buggy, Sleigh (with Spring Wagon Box, Shafts, & Tongue with Double hitch), 2 Wheel Sulky Cart, Pony Cart, Driving Harness, Pony Harness, Hanes, Doubletree, (4) Surge Milking Units, Milk Dumping Station.

TRUCKS: 1970 Chev. 3/4 ton Pickup Truck (Auto.), 1971 Dodge 3 Ton Van Truck 8x10 box with lift door.

8'x16' Office Trailer (Paneled, with built in Heater), 1973 MGS Snowmobile Trailer with Camper Top (13" wheels), Hydraulic Garage Car Lift H Frame, Automatic Overhead Garage Door Opener 10x12 Door, (2) Modular Home Trailer Frames (Adjustable Length), (2) Electric Welders, (4) Gould Submersible Water Pumps with pipes, (1) Gould Shallow Well Pump, Air Compressor, (1) Lancaster 21" Chain Saw, (1) McCullough 10" Chain Saw, New Tools, White Paint.

CHICKEN EQUIP.. 36'x20' Aluminum Siding Building to be torn down, Heart Watering Cups with pipe for Approx. 15,000 birds, (2) Brock 24 ton Feed Bins, 80 Gallon Hot Water Heater, (2) Single Laundry Tubs, Egg Cooler Refrigerator Door, Chore Time Fans and Ventilation Controls, (2) Egg Graders, Egg Baskets, Electric Heater, Electric Wiring, Electric Motors for Chicken House, Shower Stall, Plastic and Iron Pipe, Assorted Poultry Controls and Switch Boxes, Other Chicken House Equipment.

BAKE SHOP & RESTAURANT EQUIP Stainless Steel (2) Door Self-Contained Counter top (Refrigerator), Stainless Steel Back Counter, (2) Door Commercial Frigidaire Refrigerator Stainless Steel 35 Gallon Gas-Fired Kettle (Self-contained), French Frier Unit, Hobart Salad Shredder, Small Electric Broiler, Open Refrigerated Display Case, Double Aisle Store Shelving, Grocery Shelving, 6 ft. Bakery Cooling Racks with Shelves, Aluminum Pan Racks, (4) Kelvinator Ovens, GE Commercial Range, Kitchen Range (electric), Dove Film Sealer (for Baked Goods), Bake Shop Utensils, New Aluminum Pie & Cake Pans, Cash Register, Precision Built Meat Slicer, and Many, Many other items

SPECIAL MENTION: Kalamazoo Kitchen Range (good condition); New Perfection Coal Oil Stove (Porcelain, Closed top, with oven).

Auctioneer's Note. This sale is a result of several misfortunes for Mr Grassel including his Chicken house which blew over and the more recent one which burned down If in need of any of above articles, be sure to attend this auction.

TERMS: CASH.

Terms By,
THOMAS GRASSEL
717-394-8966

Auctioneer: John D. Stauffer
R.D. #6, Manheim, PA 17545
Phone: 717-665-5099

LUNCH STAND

COLLECTORS GUN AUCTION

ANTIQUE - SEMI-MODERN - AND MODERN, HAND GUNS, RIFLES, PISTOLS, SWORDS, AMMO - and RELATED ITEMS

GUERNSEY SALES PAVILION 6 miles east of Lancaster, Pa. on Route #30

WEDNESDAY, JUNE 23, 1982

At 6:30 P.M.

Over 100 guns for Estate of Luke C Ryan Decd., Many guns in mint condition - A collection of Colt, Ruger, Smith & Wesson, Crossman, pistols with various calibers - RIFLES (70) J. Stevens, Marlin, Remington, Winchester, Springfield, Ross of Canada, U S Army Rock Island, Savage, British Enfield, French & Danish rifles - Mostly all of the 1840 to 1900 vintage. Scopes, holsters, 15 swords and bayonetts, 40 boxes ammo, horns, scope sighter etc Inspection from 4:30 P.M. day of sale

For full description of each lot offered, send self-addressed envelope to Claude F. Smith, 1776 Lincoln Highway East, Lancaster, Pa. 17602.

FIRST NATIONAL BANK OF LANCASTER COUNTY
Executor
Claude F. Smith Auct.

AUCTION IN ADAMS CO.

104 A. farm and equipment June 19, at 11:30 A.M. located on Rt. 194, 1 mi. N. of Rt. 30, Abbottstown, Pa.

REAL ESTATE to be offered in parcels and as a whole - at 1 P.M.

86A M/L mostly T, Lg. Stone, 4 B.R. House, w/1½ B., w/Stoker H W heat. 60x100 Barn, Lg. hog Barn, Drive thru corn shed, Grain Bin w/dryer, Cement Barnyard Silo, other buildings, 2 wells and spring

17A M/L ½ woods and ½ clear with Lg. Pond. Stone House and 3A M/L
1.1A M/L 83A M/L and Barn

TRACTORS - Massey Ferguson 1100 diesel, Oliver 1365 diesel, w/4 W D and loader, 7 ft. chisel plow, IH 3 pt. 3 bottom 16" plow, 2 J D KBA disc harrow, 1 4 section sp tooth harrow, 4 R IH 56 corn planter, nearly new, IH 2 Row forage Harvester, self-unloading wagons - (1 Grove, 1 IH), Ford blower, N.H. super 66 Baler w/thrower, 2 high rack wagons, 1 gravity wagon, 40 ft. Little Giant elevator w/drag-hopper, rotary mower, 3 pt blade, hog feeder (24 hole) J.D Manure Spreader, used lumber, snow fence, 32 ft. alum. ladder, platform scales, a few small items

Terms: Cash on Equipment

REAL ESTATE 10% Down Closing August 1st Negotiable owner financing available if approved prior to sale day Announcements day of sale, have priority over written matter. Owner retains right to reject any or all bids Not responsible for accidents

Contact owner for appointment to inspect property.

No out of state checks, unless approved. Refreshments available

JACOB and VERNA ROHRER
717-259-0047

Auctioneer:
Carl Diller 717-464-2233

Public Sales Register

Closing Date Monday, 5 00 P M of each week s publication

SAT JUNE 19 10 A M Benefit Auction for the Ephrata Mennonite School Ernest M Stauffer Auction Manager 733 3763 John E and Paul E Martin, Auctioneers

SAT JUNE 19 1 P M Public Sale of House Located on West Main St , Troy, PA Holcomb House Bob, Chuck and Rich Roan, Auctioneers

SAT JUNE 19 9 A M Public Sale of Tractors, Industrial, Lawn and Garden, Farm Tools and Equipment and Vehicles Located on Rt 33 Freehold, NJ Towne Tractor Company Jack Wootton Auctioneer

WED JUNE 23 6 30 P M Public Sale of Guns Located 6 mi east of Lancaster, PA, on Rt 30 Estate of Luke C Ryan, Claude F Smith, Auctioneer

WED JUNE 23 7 P M Public Sale of Real Estate Located from Rt 30 bypass Wrightsville exit south on Cook Creek Rd 1½ mi to Pisgah Rd right to Strickler School Rd right to 2nd rd on left Louis Traiman Auction Co

THURS JUNE 24 1 P M Public Sale of Trucks and Farm Machinery Located at R D 1 Windsor, PA along Raylor Rd in Lower Windsor Twp in York Co Paul A Stough, Owner Jacob A Gilbert Auctioneer

FRI JUNE 25 5 30 P M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FRI JUNE 25 1 00 P M Brooks End and Par Kay Farm Annual Summer Sale at the farm, Beavertown, Pa Sale by Reno and Park Thomas and Mark Stehr Mike Jones, LaGrange Ga Auctioneer

FRI JUNE 25 7 30 P M Public Sale of Cattle Located at Penns Valley Livestock Auction, Centre Hall, PA 814 364 9096

FRI JUNE 25 1 30 P M Public Sale of Pigs Located at Westminster Livestock Auction Westminster, MD

JULY

SAT JULY 3 9 30 A M Public Sale of Farm Machinery and Household Located in Huntingdon Co , 1 and ¾ mi north of McAlevys Fort PA on Rt 26, turn west on Township Rd about ½ mi to farm Estate of McMahon Keller Mark Glick and Dale Gibboney Auctioneers

WED JULY 7 9 A M Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave in Leola Lancaster Co PA Watch for sale signs F Snyder, R Martin, C Wolgemuth J Fry and L Horst Auctioneer

SAT JULY 10 12 30 P M Public Sale of Cattle Located at Mehoopany PA, Wyo Co on PA Rt 87 William R Kitner Owner Merton L Bunnell Auctioneer

FRI JULY 16 6 30 P M Consignment Sale of Cattle and Feeder Pigs Keister s Middleburg Auction Sales, Inc Rt 522 3 miles East of Middleburg, 5 miles West of Selinsgrove, Pa Don & Walt Keister Owners Ray Long & Dave Imes Auctioneers

FRI JULY 16 5 30 P M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41 Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son Auctioneers

WED JULY 21 9 A M Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave in Leola Lancaster Co , PA Watch for sale signs F Snyder, R Martin, C Wolgemuth J Fry and L Horst, Auctioneer

FRI JULY 23 Public Sale of Cattle Located at Ft Louden Franklin Co PA along Rt 30 Parnell Mt S Minor Robinson Owner Ralph W Horst Auctioneer

FRI JULY 23 5 30 P M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41 Lancaster Turkey Hill Minit Market cross RR bridge Ira Stoltzfus & Son, Auctioneers

FRI JULY 23 7 30 P M Sale of Cattle Located at Penns Valley Livestock Auction Centre Hall PA 814 364 9096

KILLDEE FARMS
COMPLETE DISPERSAL
THURSDAY, JUNE 10
11:00 A.M.
Lancaster, Pa.

Sale held at the Guernsey Sales Pavilion located 5, miles east of Lancaster, Pa. on Rte. U.S. 30.

115 REGISTERED HOLSTEINS

All tested for immediate interstate shipment - Exam for Preg.

THE 1981 ALL-AMERICAN 2-Yr. Old Sells!!!

Killdee I Bubbler Delight (VG-89), 1st calf sells with 20,200 M. 3.5% 697 Fat. Her sire is the plus proven 1298-lb. son of Gay Ideal and she is from an VG-87 Astronaut dtr. with 24,680 M. 805 fat. Fresh April 7 and at 90-lbs. with a 4.7% test.

HERE ARE OTHER INTERESTING FACTS ABOUT THE HERD!!!

*2 sell with 1103 and 1167-lbs. fat. (1 at 2 yrs.)
*3 sells with 900, 994, 9990 lbs. fat (2 at 2 yrs.)
*5 sell from 801 to 878-lbs. fat (2 at 3 yrs. - 3 at 2 yrs.)
*5 sell from 754 to 786-lbs fat, all at 2 yrs.
*8 sell from 603 to 691-lbs. fat, all at 2 yrs.
*30 are 1st calf - 24 are 2nd calf - 5 and 3 lactations or more.
*40 head are due in late summer and early fall when you need the milk.
*Information on last test just came in and 53 milkers averaged 65-lbs. milk, 4 were over 100-lbs. and 4 more were over 90-lbs.

LATEST CLASSIFICATION!!

4 "EX" sell - 19 "VG" sell - 23 "GP" sell - 9 "G" sell. Killdee's milking herd was sold in 1979 and these selling now are their daughters.

A FEW MORE FACTS OF INTEREST!!

*14 sell from "EX" dams
*38 sell from "VG" dams
*12 sell from 1016 to 1386-lbs. fat.
*34 more sell from dams with from 800 and 900-lbs. fat.

This is a good herd and should be of interest to all Holstein breeders!!!
Please see the May 10 issue of Holstein World for pictures and complete details.
All are by top sires used the breed today!!!
Make your plans now to attend and buy!!
Sale starts 11:00 A.M. Lunch Available

Owners, KILLDEE FARMS
Walter & JoAnn Drummond
Herdsman, Jack R. Miller
301-885-5945 Chesapeake, Md. 21915

R. AUSTIN BACKUS, INC.
Sale Managers & Auctioneers
Mexico, N.Y. 13114 (315-963-7231)

PUBLIC AUCTION
GUNS, FARM EQUIPMENT, ANTIQUES, AND HOUSEHOLD GOODS
MONDAY EVENING, JUNE 7, 1982
6 P.M.
Location: 2 miles South of Mountville off Rt. 462 on Central Manor Rd., at Herr's Fruit Farm (old Sales Barn)

Chisel plow, 3pt.; barrel type spreader, 157 bushel; JD hay fluffer.

Spring gilled 410 model 1929, Winchester 22 model 67, Remington 30-06 model 750 Ithaca 12 gauge double-barrel, Winchester 12 gauge pump model 97, Savage 22 pump, oxagon barrel.

Hammond piper 1 organ, porch set, oak chair, floor and table lamps, iron skillets, old music books, cook books, and comic books; beer signs, trays and lights; trash compactor, record player, radios, window fan, glasses, candle holders, approximately 10 Hubley guns, occupied Japan pieces, carnival glass and lots of new tools.

Put your ticket in for our $50 drawing this sale.

Sale by agent for owners.
Auctioneer: H. Edward Johnson
653-9290 or 397-9310

BUYING OR SELLING REGISTERED & GRADE HOLSTEINS?

THINK OF SMOKETOWN QUALITY DAIRY SALES.

Located East of Rt. 30 along Rt. 340 near Rt. 896.

Regular monthly sales held in our state approved barns

WANTED - GOOD DAIRY HERDS

We will sell your herd for you either at private treaty or bring them here, we will groom and prepare, give you complete attention in every detail

Barns regularly washed and disinfected. Heated barn to sell in winter, well ventilated in summer.

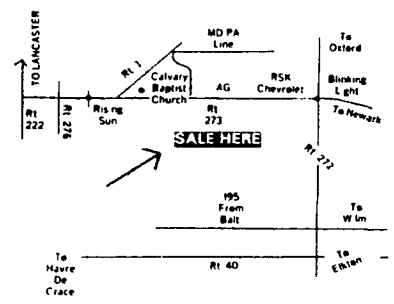
We are with an active group of buyers with the latest market quotation. Buyers attending from surrounding states

"We aim to please and satisfy customers is our first concern "

Years of experience

Phone Collect 717-393-0930
GORDON W FRITZ, Licensed and Bonded

ANNUAL SUMMER AUCTION OF USED AND NEW FARM EQUIPMENT
SATURDAY, JUNE 12, 1982
10:00 A.M.



TRACTORS
AC 5050
JD 4430D
JD 1520D w/ldr
IH 454 w/ldr
IH 340
IH 656D
Farmall C w/Culti
Kubota L185 w/Mower
Ford 4500 Trac/Ldr
Case 450 Craw/Ldr
JD 1010D Craw/Ldr
Ford 9N

MANURE SPREADERS
NI 213
(2) NI 224

SKID LOADERS
NH L 35 G 37HP
NH L 775 G 60HP

MISCELLANEOUS
Ontario Drill
Vicon CM240 Disc Mower
Woods M5 Mower
JD 200 Stack Mover
JD 230 Stack Shredder
Dodge 600 Trk w/18' Stake Body & Grain Sides
CrustBuster Drill 13 3 Pt
Generator 40 KW 3 Phase 1000 RPM
Int 1510 1½T Truck Straight w/12' A1 Box & 1T Tail Gate
1965 Ford 750 Dump Truck w/75 engine 361
1963 IH 1800 Dump Truck
40 Little Giant Elevator
1969 Dodge C700 5 special, 2 speed rear axle 24 tilt w/hyd winch

HAY TOOLS
NH 320 Baler w/Thrower
NH 268 Baler w/Thrower
NH 850 Round Baler
(2) NH 479 Haybine
NH 478 Haybine
NH 1495D Haybine 12 SP
(2) NH 1469 Haybine 9 SP Ford
(2) NH 469 Haybine
(2) NI 279 Cutditioner
Matthews Rotary Scythe
IH 990 Mower Conditioner
NH 1000 Automatic Bale Wagon
NH 1012 Bale Wagon
(2) NH 260 Rake
(2) NH 258 Rake
Wheel Rake
NI Bar Rake
Dual Rake Hitch
30 Elevator
Case 555 Mower Conditioner
Hesston #30 Stackhand Wagon
NH 490 12 pull
New NH 256 Rake

COMBINES
JD 105 w/RW & Gr Hd
AC CII w/14 Flex Hd
MF 510 w/4R Hd
AC A Gleaner Gas w/12 head
JD 6600D, 1900 hrs cab and air 2 heads

NO CONSIGNMENTS AFTER JUNE 10, 1982

CORN PLANTERS
JD 1240
IHC Cyclo 8R
IHC Cyclo 4R
JD 494A w/Gran Fert
JD 1440
AC 4R No Til w/Gran Fert
White 6R No Til Air
AC 6R No Til w/Gran Fert
(2) AC 4R
AC 2R
Ford 4R Mtd

TILLAGE EQUIPMENT
AC 2300 Disc
JD 11 Disc
Offset Disc
Bush Hog Disc 12
Glencoe 7 Pull Type Chisel Plow
IH 315 Pkr /Mulcher
JD 4Btm 16 ' Plow
Harrow 12
4B 16 JD Plow
AC 4 Row Cultivator
JD 2 Row Mounted Cultivator

FORAGE EQUIPMENT
NH 880 Harv w/2R Hd
JD 3960 w/2R Hd & WPU
NH #8 Crop Carrier
NH #6 Crop Carrier
NH 28 Blower
1880 SP Cat Diesel w/new style heads, 3RN and WPU
New NH 782 Harvester
52 Fox Blower
NH Fg Wagon w/Running Gear

ALSO NEW HAND TOOLS CABLE WINCH PULLERS & ETC.

FORK LIFT & DOCK AVAILABLE FOR LOADING SALE ITEMS MUST BE MOVED WITHIN 15 DAYS FROM DATE OF SALE

ITEMS SUBJECT TO CHANGE DUE TO DAILY SALES

AUCTION BY.
AG-INDUSTRIAL EQUIPMENT CO., INC.
1207 Telegraph Rd (Route 273)
Rising Sun MD
301 658 5568 301 398 6132 215 869 3542

AUCTIONEER BLAINE RENTZEL FOOD AVAILABLE

Public Sales Register

Closing Date - Monday, 5 00 P M of each week's publication

TUES JULY 27 12 Noon Public Sale of Cattle Located at R D 1 Ramey, PA Clearfield Co R T Green, John G Gilliland and V Art Kling, Sale Managers

FRI JULY 30, 5 30 P M Gap Auction Antiques and Household Goods sold at every auction Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge Ira Stoltzfus & Son Auctioneers

SAT JULY 31 11 A M Consignment Horse Sale at the Keister's Middleburg Auction Sales Inc Rt 522, 3 miles East of Middleburg 5 miles West of Selinsgrove, Pa Don & Walt Keister Owners Ray Long & Dave Imes Auctioneers

AUGUST

WED AUG 4 9 A M Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave in Leola Lancaster Co PA Watch for sale signs F Snyder R Martin C Wolgemuth J Fry and L Horst, Auctioneer

FRI AUG 13 Public Sale of Cattle Located in Wellsville, York Co Carl and Creaty Harbold, Owners Kling s Auction Service, Managers

SAT AUG 14 9 A M 4th Annual Consignment Sale of the Kutztown Fire Co Located 1 mi north of Myerstown off Rt 645 Local Auctioneers

WED AUG 18 9 A M Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave in Leola Lancaster Co PA Watch for sale signs F Snyder R Martin C Wolgemuth J Fry and L Horst Auctioneer

FRI AUG 20 6 P M Public Sale of Swine Located at Lebanon Fairgrounds, Lebanon PA Leon and Lawrence Arnold, Owners Harry Bachman Auctioneer

SEPTEMBER

WED SEPT 1 9 A M Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave in Leola Lancaster Co, PA Watch for sale signs F Snyder, R Martin, C Wolgemuth J Fry and L Horst, Auctioneer

FRI SEPT 3 9 30 A M Public Sale of Machinery Located at the Belleville Livestock Market, Belleville, PA 717 935 2146 Glick, Gibboney and Gilligan, Auctioneers

WED SEPT 15 9 A M Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave in Leola Lancaster Co, PA Watch for sale signs F Snyder R Martin, C Wolgemuth J Fry and L Horst Auctioneer

SAT SEPT 18 Public Sale of Heifers Quilts and Hand made Items Located 3 mi south of Atglen PA along Newport Pike Old Rt 41 West Fallowfield Christian School Building Fund Kurtz Stoltzfus and Petersheim Auctioneers

SAT SEPT 18 Public Sale of Lebanon Co 40 acre Limestone Soil Farm and Farm Equipment Etc Located ½ mi south of Myerstown PA on Railroad Street Hubert S Miller Estate Dave Risser auctioneer

OCTOBER

SAT OCT 2 1982 Wesson s Spirit of 82 Sale at the Wesson Charolais Ranch Koshkonong Missouri

WED OCT 6 9 A M Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave in Leola Lancaster Co PA Watch for sale signs F Snyder R Martin C Wolgemuth J Fry and L Horst Auctioneer

THURS OCT 7 PA State Grange Reg and Grade Holstein Above Herd Average Dairy Sale at the Guernsey Sales Pavilion 6 mi east of Lancaster along Rt 30 State Grange and J Everett Kreider sale managers and auctioneer

MON OCT 11 Hubert Charolais Ranch Production Sale Located at the ranch Monument Kansas Sale managed by Buzz Garey 100 Walnut Lane Morrisville PA 19067

WED OCT 20 9 A M Consignment Sale by David H Good located ½ mile North of Route 23 on North Maple Ave in Leola Lancaster Co PA Watch for sale signs F Snyder R Martin C Wolgemuth J Fry and L Horst Auctioneer

MON OCT 25 Shallow Creek Charolais 20th Anniversary Production Sale At the ranch, Fort Sumner New Mixico Dennis and Jane Adams Owners Buzz Garey 100 Walnut Lane Morrisville PA 19067 Sale Manager Garey Cattle Sales Inc

DEALER IN ALL KINDS OF LIVESTOCK
Also Crippled & Down Cattle

MARLIN S. IRWIN
Quarryville, PA
PH: 717-786-3016

Guernseys - 72 Head - Guernseys
COMPLETE GUERNSEY DISPERSAL
of the A.C. Macri, Jr., Herd
Hunlock Creek, PA
WEDNESDAY, JUNE 16
At the Pa. Guernsey Sales Pavilion, 6 miles E. of Lancaster, PA on Route #30.
12:00 Noon
33 Cows, 16 Bred Heifers,
9 Open Heifers and Calves,
1 Yr. Bull T.B. & Bangs Accredited

The Macri Herd is extremely good type High P D Sires have been used including Hollirex, Choice, and Maverick There are 4 full sisters by Hollirex out of Mac Val Mary, one of the best individual Guernsey Cows we have seen There are 13 daughters and 19 granddaughters of Hollirex in the sale There will be a number of fresh cows in sale and 4 due July, 5 in August, 3 in September, and 5 in October and November

—Added Consignments—

FROM JOE THOMPSON, Smyrna, NY — Three bred heifers due at sale time, two cows due in June, two yearling heifers
FROM ROBERT SMITH, Annville, PA three bred heifers due at sale time, two fresh cows
FROM ANDREW STRAHORN, Newtown Sq PA A three year old cow just fresh.

Sale Barn Phones 717 394 2721 & 392 9560
Sales Headquarters Mill Stream Motor Lodge
Phone 717 299 0931
SALE MANGED BY
PA GUERNSEY BREEDERS ASSN
2497 Lincoln Hwy East
Lancaster PA 17602
Ph 717 299 8955
THE MERRYMAN COMPANY
P O Box 566
Sparks, MD 21152
Ph 301 771 4625

SALE EVERY TUESDAY
Graded Sale
1st Tuesday each month
2 P M
Horse Auction
2nd Saturday each month
1 P M
FAUQUIER LIVESTOCK EXCHANGE
Marshall, Va
703-364-1566

Good's Auction
111 North Maple Ave.
Leola, PA
Hay, Straw and Corn Sales
Every Wednesday at 12:00 Noon
Farm Machinery Sales
First and Third Wednesday of Each Month Jan. through Oct.
Farm Machinery Accepted At Any Time From 7 A.M. to 6 P.M.
Sat. Til 12:00 Noon
No Small Items Will Be Accepted At Any Time. All Small Items Must Be Brought In Day of Sale And Sold Off of Trucks or Wagons.
Positively No Unloading Day of Sale Except Lawn And Garden Equipment, Farm Machinery and Big Equipment.
Tool and Hardware at 9:00
Shop Equipment & Lawn and Garden Equip. at 12:00
Machinery at 1:00
No Household Goods
No Out of State Checks
Selling With 6 Auctioneers
DAVID H. GOOD & SONS
111 North Maple Ave., Leola
717-656-9558

AUCTIONEER'S DIRECTORY

NOTICE
To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 4 P M Tuesday of each week's publication

AUCTIONEERS
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717 733-3511
AND
PAUL E. MARTIN
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Professional Auction Service

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AUCTIONEER
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"SPECIALISTS"
• AUTOMOBILES
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We are now listing Fall Sales.

COWS HEIFERS CALVES
Private Sales Daily
MELVIN KOLB, INC
* **Dairy Cows**
* **Dairy Heifers**
* **Purebreds & Grades**
We Have The Largest Selection In The East.

Quality Heifers - Purebreds & Grades
* 250 Head Big Fancy Springers & Fresh Cows
* 100 Head Big 1st Calf Heifers, Open Heifers, Grades & Purebreds

We Will...
✓ Buy Your Complete Herd
✓ Consign Your Herd Through Our Dairy Barn at the Monthly Sales.

MONTHLY COW SALE AT LANCASTER
1ST THURSDAY, JULY 1
AT 7:30 P.M.

Lancaster Farm
2220 Dairy Road
Lancaster, Pa.
717-569-2106 or
569-6800
Dennis Kolb, Mgr.

2 Locations To Choose From
MEL KOLB
Res. 717-393-7459

Maryland Farm
Woodsboro, MD
301-898-7720 or
898-7663
Tom Miller, Mgr

MONTHLY COW SALE AT MARYLAND
3RD THURSDAY, JUNE 17
AT 7:30 P.M.

June is dairy month

introducing...

Dairy Month Milk Man's Special

★ Do You Need To Stretch Your Hay?

★ Having Trouble Keeping Your Forage Dry Matter Intake Up? High Moisture Intake?

★ Percent Fiber In Your Total Intake Too Low?

This Can All Lead To Butterfat Problems!

NEW! NEW!

PURINA ROUGHAGE EXTENDER II

— This product is available June 7th
— In bulk form
— With a very economical price!

FEEDING DIRECTIONS

- Roughage X-Tender II (B) could replace ½ (up to approximately 15 lbs./hd./day) of the normal roughage intake on a dry matter basis.
- When changing roughages or milking rations, the change should be made gradually.
- Provide a source of fresh, clean water at all times.

TAG GUARANTEE

Protein - 11.0% Min.

Fat - 1.0% Min.

Fiber - 28.0% Min./Max.

PURINA... IT PAYS

PLUS an excellent energy level and fortified with vitamins A & D

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23 N PARK ST RICHLAND PA 17087

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PHONE 717 867 5161
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KEYSTONE MILLS
John B Kurtz
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Good Breeding | Sound Management
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WEST WILLOW PA 17583

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RD 1 OXFORD PA 19363

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BERRYSBURG PA 17005

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Rising Sun, MD
301-658-5795

Anthony's Feed Mill
PHONE 215 488 6211
STRAUSSTOWN PA 19559